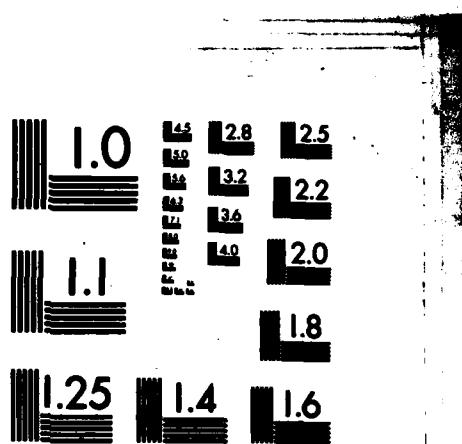


AD-A147 926 PERFORMANCE MONITORING SYSTEM SUMMARY OF LOCK 1/1
STATISTICS FOR JANUARY-MARCH 1984(U) CORPS OF ENGINEERS
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UNCLASSIFIED M V FLEMING ET AL. SEP 84 WRSC-84-SR-6 F/G 13/18 NL

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**US Army Corps
of Engineers**
Engineer Institute for
Water Resources

12

Performance Monitoring System :

AD-A147 926

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Summary of Lock Statistics

for January - March 1984

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Summary Report 84-SR-6

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| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Lock Performance Monitoring data are collected at Corps locks by lock operators from observation and information provided by waterway operator. This quarterly summary is an overview of the collected statistics. | | |

**PERFORMANCE MONITORING SYSTEM
SUMMARY OF LOCK STATISTICS
JANUARY 1984 - MARCH 1984**

U.S. Army Corps of Engineers
Water Resources Support Center
Institute for Water Resources
Ft. Belvoir, Virginia 22060

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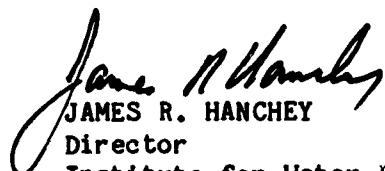


PREFACE

This report is a product of the Navigation Division of the U.S. Army Engineers Institute for Water Resources (WRSC-IWR). The information is compiled from statistics collected at the Corps locks in support of the lock Performance Monitoring System (PMS).

The study is managed by Mrs. Marilyn V. Fleming under the supervision of Mr. Francis M. Sharp, Chief of the WRSC-IWR Navigation Data Management and Applications Branch, and Dr. Lloyd G. Antle, Chief of the WRSC-IWR Navigation Division. The Office of the Chief of Engineers (OCE) sponsors are Mr. Henry W. Campbell, Jr., DAEN-CWO-M, and Mr. Robert M. Daniel, DAEN-CWP-G.

Requests to update or change the distribution, comments and questions can be directed to Frank Sharp (202-355-2240 or FTS 385-2240) or Marilyn Fleming at the same telephone number. The information is produced and distributed quarterly.



JAMES R. HANCHAY
Director
Institute for Water Resources

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Introduction

Army Corps of Engineers owned

The lock Performance Monitoring System (PMS) is a part of the Inland Navigation Systems Analysis (INSAD) program, and encompasses the collection, editing, maintenance and analysis of data collected at all Corps-owned and operated locks. The data have been collected since March of 1975 and consist of information describing the traffic through the locks as well as the physical aspects of lockages. The quarterly summary of selected statistics presented in the appendix provides an overview of the traffic and operation at each lock. The quarterly report is presented as a set of three tables for each Corps District. Information reported for each lock and chamber includes: (1) *which*

TABLE 1. A listing providing the name of the lock, the river on which the lock is and its dimensions. In those cases where there is no quarterly information, this table will be the only display for the district.

TABLE (2) A table providing, by direction and total, the number of tows, commercial vessels other than tows, recreational vessels, barges (empty and loaded), commercial lockages, recreational lockages and tonnage. *and*

TABLE (3) A summary of approach, entry, chambering and exit times (maximum, minimum and average) and the number of delays, total delay time, maximum delay time and average delay time.

Although the summary information will be computed and displayed for chambers at which there is data for only one or two months of the quarter, the fact is noted on the report.

Note that the statistics printed in the first quarterly report for the Tulsa District were not correct. The correct statistics are published at the end of this report.

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED |
|-------------------|----------------------------------|--------------------------|-----------------|
| B2 | NEW ORLEANS | LOWER MISS VALLEY | 1/84 2/84 3/84 |
| <hr/> | | | |
| RIVER | LCODE-LOCK NAME | LEN/WID/DRAFT (FT/FT/FT) | |
| ATCHAFALAYA RIVER | 11-BERWICK LOCK | 0300/0045/11.0 | |
| BAYOU TECHE | 31-KEYSTONE LOCK | 0160/0036/12.0 | |
| FRESHWATER BAYOU | 41-FRESHWATER BAYOU LOCK | 0590/0084/15.0 | |
| GULF INTRACOASTAL | 01-PORT ALLEN LOCK | 1202/0084/15.0 | |
| | 02-BAYOU SORREL LOCK | 0800/0056/16.0 | |
| | 03-INNER MRBR NAVIGATION CANL LK | 0626/0074/40.0 | |
| | 04-ALGIERS LOCK | 0760/0075/15.0 | |
| | 05-HARVEY LOCK | 0426/0075/14.0 | |
| | 06-BAYOU BOEUF LOCK | 1148/0075/15.0 | |
| | 07-VERMILLION LOCK | 1195/0056/14.0 | |
| | 08-CALCASIEU LOCK | 1194/0075/15.0 | |
| | 21-SCHOONER BAYOU CONTROL STRUCT | 9999/0075/14.0 | |
| | 22-CATFISH POINT CONTROL STRUCT | 9999/0056/16.0 | |
| | 23-CALCASIEU SALT WATER BARRIER | 9999/0056/15.0 | |
| OLD RIVER | 51-OLD RIVER LOCK | 1200/0075/15.0 | |
| RED RIVER | 01-RED RIVER LOCK & DAM #1 | 0685/0084/ 9.0 | |

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|-------------------|----------------------------------|-------------------|--------------------------|------|------|
| B3 | ST. LOUIS | LOWER MISS VALLEY | 1/84 | 2/84 | 3/84 |
| <hr/> | | | | | |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| KASKASKIA RIVER | 01-KASKASKIA RIVER NAVAGATION LK | | 0610/0084/12.0 | | |
| MISSISSIPPI RIVER | 24-LOCK & DAM 24 | | 0610/0110/12.0 | | |
| | 25-LOCK & DAM 25 | | 0610/0110/12.0 | | |
| | 26-LOCK & DAM 26 | | 0610/0110/12.0 | | |
| | 26-LOCK & DAM 26 AUX 1 | | 0380/0110/12.0 | | |
| | 27-CHAIN OF ROCKS LOCK & DAM 27 | | 1210/0110/12.0 | | |
| | 27-CHAIN OF ROCKS LK & DM 27 AX1 | | 0610/0110/12.0 | | |

TABLE 2

 PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC B3 | DISTRICT NAME ST. LOUIS | DIVISION NAME LOWER MISS VALLEY | | | | | | MONTHS REPORTED | | | | | | | |
|-----------------|----------------------------|------------------------------------|-----------------|----------------|----------------|----------------|---------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------------------------|------|--|
| | | | | | | | | 1/84 | | | 2/84 | | | 3/84 | |
| RIVER/LOCK NAME | | TONS RECRTN | VESSL RECRTN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS CONMER | LCKGES RECRTN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | | |
| | | | | | | | | | | | | | | | |

KASKASKIA RIVER

| KASKASKIA RIVER NAVIGATION LK | | XXX | 150 | 9 | 52 | 211 | 510 | 28 | 538 | 203 | 6 | 0 | 209 | 7 |
|-------------------------------|--|-----|-----|----|-----|-----|-----|-----|------|-----|----|---|-----|-----|
| UPBOUND STATISTICS | | | 138 | 11 | 68 | 217 | 3 | 497 | 500 | 206 | 9 | 0 | 215 | 745 |
| DOWNBOUND STATISTICS | | | 288 | 20 | 120 | 428 | 513 | 525 | 1038 | 409 | 15 | 0 | 424 | 752 |

MISSISSIPPI RIVER

| LOCK & DAM 24 | | XXX | 283 | 4 | 35 | 322 | 2691 | 550 | 3241 | 497 | 3 | 8 | 508 | 801 |
|----------------------|--|-----|-----|---|----|-----|------|------|------|-----|---|----|-----|------|
| UPBOUND STATISTICS | | | 258 | 0 | 28 | 286 | 111 | 2300 | 2411 | 434 | 0 | 4 | 438 | 3230 |
| DOWNBOUND STATISTICS | | | 541 | 4 | 63 | 608 | 2802 | 2850 | 5652 | 931 | 3 | 12 | 946 | 4031 |

| LOCK & DAM 25 | | XXX | 278 | 3 | 64 | 345 | 2733 | 534 | 3267 | 519 | 3 | 7 | 529 | 778 |
|----------------------|--|-----|-----|---|-----|-----|------|------|------|-----|---|----|-----|------|
| UPBOUND STATISTICS | | | 266 | 1 | 44 | 311 | 124 | 2299 | 2423 | 455 | 1 | 4 | 460 | 3226 |
| DOWNBOUND STATISTICS | | | 544 | 4 | 108 | 656 | 2857 | 2833 | 5690 | 974 | 4 | 11 | 989 | 4004 |

| LOCK & DAM 26 | | XXX | 571 | 0 | 34 | 605 | 4795 | 1761 | 6556 | 1105 | 0 | 3 | 1108 | 2690 |
|----------------------|--|-----|------|---|----|------|------|------|-------|------|---|---|------|-------|
| UPBOUND STATISTICS | | | 563 | 0 | 19 | 582 | 415 | 5463 | 5878 | 1049 | 0 | 3 | 1052 | 7794 |
| DOWNBOUND STATISTICS | | | 1134 | 0 | 53 | 1187 | 5210 | 7224 | 12434 | 2154 | 0 | 6 | 2160 | 10484 |

| LOCK & DAM 26 AUX 1 | | XXX | 390 | 2 | 98 | 490 | 1177 | 516 | 1693 | 833 | 1 | 12 | 846 | 905 |
|----------------------|--|-----|-----|---|-----|-----|------|------|------|------|---|----|------|------|
| UPBOUND STATISTICS | | | 383 | 0 | 95 | 478 | 329 | 1346 | 1675 | 837 | 0 | 11 | 848 | 1990 |
| DOWNBOUND STATISTICS | | | 773 | 2 | 193 | 968 | 1506 | 1862 | 3368 | 1670 | 1 | 23 | 1694 | 2896 |

| CHAIN OF ROCKS LOCK & DAM 27 | | XXX | 943 | 0 | 136 | 1079 | 6154 | 2270 | 8424 | 978 | 0 | 19 | 997 | 3607 |
|------------------------------|--|-----|------|---|-----|------|------|------|-------|------|---|----|------|-------|
| UPBOUND STATISTICS | | | 865 | 0 | 123 | 788 | 740 | 6741 | 7481 | 922 | 0 | 9 | 931 | 9677 |
| DOWNBOUND STATISTICS | | | 1808 | 0 | 259 | 2067 | 6894 | 9011 | 15905 | 1900 | 0 | 28 | 1928 | 13284 |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC 83 | DISTRICT NAME ST. LOUIS | DIVISION NAME LOWER MISS VALLEY | | | MONTHS REPORTED | | | | | | | | |
|-----------------|----------------------------|------------------------------------|-----------------|----------------|-----------------|----------------|---------------|--------|------------------|------------------|-----------------|-----------------|---------------------------------------|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | |
| RIVER/LOCK NAME | | TOWS | VESSL RECRTN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES | LOCKGS COMMER | LCKGES RECRTN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) |

MISSISSIPPI RIVER

| CHAIN OF ROCKS LK & DM 27 AX | XXX | | | | | | | | | | | | |
|------------------------------|-----|---|-----|-----|-----|-----|------|-----|---|----|-----|------|--|
| UPBOUND STATISTICS | 242 | 0 | 122 | 364 | 581 | 161 | 742 | 356 | 0 | 15 | 371 | 267 | |
| DOWNBOUND STATISTICS | 251 | 2 | 164 | 417 | 151 | 649 | 800 | 401 | 1 | 25 | 427 | 972 | |
| TOTALS | 493 | 2 | 286 | 781 | 732 | 810 | 1542 | 757 | 1 | 40 | 798 | 1239 | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC B3 | DISTRICT NAME ST. LOUIS | DIVISION NAME LOWER MISS VALLEY | MONTHS REPORTED | | | | | | | | | | | | | | | | |
|--------------------------------|----------------------------|------------------------------------|-----------------|-------|---------|------|-----|-----|------|-----|-----|---------|--------|--------|--------|--------|-------------|--------|------|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | | | | | | |
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | | | | |
| | | | APPROACH | ENTRY | CHAMBER | EXIT | | | | | | DELAYED | DELAY | DELAY | TIME | AVG | MAX | | |
| | | | MIN | Avg | MAX | MIN | Avg | MAX | MIN | Avg | MAX | TONS | (TONS) | (TONS) | (TONS) | (TONS) | (ALL VSSLS) | | |
| KASKASKIA RIVER | | | | | | | | | | | | | | | | | | | |
| KASKASKIA RIVER NAVAGATION L | | | 1 | 6 | 29 | 1 | 5 | 28 | 1 | 9 | 27 | 1 | 5 | 25 | : | 16 | 292 | 18.3 | 33 |
| MISSISSIPPI RIVER | | | | | | | | | | | | | | | | | | | |
| LOCK & DAM 24 | | | 1 | 9 | 252 | 1 | 8 | 55 | 4 | 9 | 61 | 1 | 16 | 86 | : | 344 | 79671 | 231.6 | 1552 |
| LOCK & DAM 25 | | | 1 | 8 | 74 | 1 | 8 | 36 | 4 | 8 | 47 | 1 | 14 | 73 | : | 539 | 64170 | 119.1 | 943 |
| LOCK & DAM 26 | | | 1 | 4 | 165 | 1 | 9 | 100 | 2 | 13 | 440 | 1 | 14 | 165 | : | 1133 | 1206505 | 1064.9 | 4757 |
| LOCK & DAM 26 AUX 1 | | | 1 | 7 | 278 | 1 | 6 | 111 | 4 | 12 | 79 | 1 | 12 | 158 | : | 772 | 309200 | 400.5 | 2850 |
| CHAIN OF ROCKS LOCK & DAM 27 | | | 1 | 8 | 381 | 1 | 6 | 35 | 3 | 11 | 46 | 1 | 7 | 30 | : | 1302 | 71242 | 54.7 | 1056 |
| CHAIN OF ROCKS LK & DM 27 AX | | | 1 | 6 | 49 | 1 | 4 | 33 | 3 | 10 | 36 | 1 | 4 | 36 | : | 246 | 32556 | 132.3 | 1315 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC B4 | DISTRICT NAME VICKSBURG | DIVISION NAME LOWER MISS VALLEY | MONTHS REPORTED | | |
|-------------------|----------------------------|------------------------------------|--------------------------|------|------|
| | | | 1/84 | 2/84 | 3/84 |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| OUCHITA/BLACK RIV | 01-JONESVILLE LOCK & DAM | | 0655/0084/23.4 | | |
| | 02-COLUMBIA LOCK & DAM | | 0655/0084/27.4 | | |
| | 06-LOCK & DAM 6 | | 0300/0055/17.4 | | |
| | 08-LOCK & DAM 8 | | 0300/0055/19.0 | | |

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED |
|--------------|--------------------|--------------------------|-----------------|
| E3 | NEW YORK | NORTH ATLANTIC | 1/84 2/84 3/84 |
| RIVER | LCODE-LOCK NAME | LEN/WID/DRAFT (FT/FT/FT) | |
| HUDSON RIVER | 01-TROY LOCK & DAM | 0493/0044/15.0 | |

NO DATA RECORDED ON SUMMRY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC E4 | DISTRICT NAME NORFOLK | DIVISION NAME NORTH ATLANTIC | MONTHS REPORTED | | |
|--------------------|--------------------------|---------------------------------|-----------------|--------------------------|------|
| | | | 1/84 | 2/84 | 3/84 |
| RIVER | | LCODE-LOCK NAME | | LEN/MID/DRAFT (FT/FT/FT) | |
| ATLANT INTRCOASTAL | | 11-GREAT BRIDGE GUARD LOCK | | 0600/0072/16.0 | |
| DISMAL SWAMP | | 01-DEEP CREEK LOCK | | 0300/0052/12.0 | |
| | | 02-SOUTH MILLS LOCK | | 0300/0052/12.0 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC E4 | DISTRICT NAME NORFOLK | DIVISION NAME NORTH ATLANTIC | | | | | | MONTHS REPORTED | | | | | |
|--------------------------|--------------------------|---------------------------------|----------------|----------------|----------------|---------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------------------------|--|
| | | 1/84 | 2/84 | 3/84 | | | | | | | | | |
| RIVER/LOCK NAME | TOWS | VESSL RECRTN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRTN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | |
| ATLANT INTROASTAL | | | | | | | | | | | | | |
| GREAT BRIDGE GUARD LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 130 | 102 | 55 | 287 | 92 | 87 | 179 | 174 | 63 | 26 | 263 | 122 | |
| DOWNBOUND STATISTICS | 135 | 100 | 49 | 284 | 56 | 120 | 176 | 166 | 74 | 29 | 269 | 143 | |
| TOTALS | 265 | 202 | 104 | 571 | 148 | 207 | 355 | 340 | 137 | 55 | 532 | 266 | |
| DISMAL SWAMP | | | | | | | | | | | | | |
| DEEP CREEK LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 3 | 4 | 0 | 7 | 0 | |
| DOWNBOUND STATISTICS | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 2 | 5 | 1 | 8 | 0 | |
| TOTALS | 0 | 11 | 0 | 11 | 0 | 0 | 0 | 5 | 9 | 1 | 15 | 0 | |
| SOUTH MILLS LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 0 | 8 | 0 | 8 | 0 | 0 | 0 | 3 | 7 | 0 | 10 | 0 | |
| DOWNBOUND STATISTICS | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 1 | 5 | 0 | 6 | 0 | |
| TOTALS | 0 | 14 | 0 | 14 | 0 | 0 | 0 | 4 | 12 | 0 | 16 | 0 | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC E4 | DISTRICT NAME NORFOLK | DIVISION NAME NORTH ATLANTIC | MONTHS REPORTED | | | | | | | | | | | | | | | |
|--------------------------------|--------------------------|---------------------------------|-----------------|-------|----------------------|---------|------|-----|---------|-------|-------|--------|--------|-------------|-----|------|-----|-----|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | | | | | |
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | | | |
| | | | APPROACH | ENTRY | LOCK PROCESSING TIME | CHAMBER | EXIT | : | DELAYED | DELAY | DELAY | DELAY | | | | | | |
| | | | MIN | AVG | MAX | MIN | AVG | MAX | MIN | AVG | MAX | (TOMS) | (TOMS) | (ALL VSSLS) | | | | |
| ATLANT INTRCOASTAL | | | | | | | | | | | | | | | | | | |
| GREAT BRIDGE GUARD LOCK | | | 1 | 3 | 15 | 1 | 4 | 10 | 2 | 6 | 40 | 2 | 4 | 10 : | 264 | 1265 | 4.8 | 45 |
| DISMAL SWAMP | | | | | | | | | | | | | | | | | | |
| DEEP CREEK LOCK | | | 1 | 4 | 6 | 4 | 4 | 5 | 5 | 10 | 15 | 5 | 5 | 10 : | 0 | 0 | .0 | 5 |
| SOUTH MILLS LOCK | | | 2 | 3 | 13 | 2 | 3 | 5 | 10 | 10 | 10 | 3 | 4 | 5 : | 0 | 0 | .0 | 125 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|-----------------------|--------------------|---------------|--------------------------|------|------|
| F1 | BUFFALO | NORTH CENTRAL | 1/84 | 2/84 | 3/84 |
| RIVER | LCODE-LOCK NAME | | LEN/MID/DRAFT (FT/FT/FT) | | |
| BLK ROCK CH/TONAWANDA | 01-BLACK ROCK LOCK | | 0650/0070/21.7 | | |

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC F3 | DISTRICT NAME DETROIT | DIVISION NAME NORTH CENTRAL | MONTHS REPORTED | | |
|------------------|----------------------------------|--------------------------------|--------------------------|------|------|
| | | | 1/84 | 2/84 | 3/84 |
| RIVER | L-CODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| FOX RIVER | 11-DE PERE LOCK & DAM | | 0146/0036/ 6.0 | | |
| | 12-LITTLE KAUKAUNA LOCK & DAM | | 0146/0036/ 6.0 | | |
| | 13-RAPIDE CROCHE LOCK & DAM | | 0146/0036/ 6.0 | | |
| | 21-KAUKAUNA LOCK 1 | | 0144/0035/ 6.0 | | |
| | 22-KAUKAUNA LOCK 2 | | 0144/0035/ 6.0 | | |
| | 23-KAUKAUNA LOCK 3 | | 0144/0037/ 6.0 | | |
| | 24-KAUKAUNA LOCK 4 | | 0144/0037/ 6.0 | | |
| | 25-KAUKAUNA LOCK 5 | | 0144/0036/ 6.0 | | |
| | 32-LITTLE CHUTE LOCK 2 | | 0142/0035/ 6.0 | | |
| | 33-LITTLE CHUTE COMB LOCKS UPPER | | 0144/0037/ 6.0 | | |
| | 34-LITTLE CHUTE COMB LOCKS LOWER | | 0146/0036/ 6.0 | | |
| | 35-CEDARS LOCK & DAM | | 0144/0035/ 6.0 | | |
| | 41-APPLETON LOCK 1 | | 0145/0035/ 6.0 | | |
| | 42-APPLETON LOCK 2 | | 0145/0035/ 6.0 | | |
| | 43-APPLETON LOCK 3 | | 0144/0035/ 6.0 | | |
| | 44-APPLETON LOCK 4 | | 0144/0035/ 6.0 | | |
| | 51-MENASHA LOCK & DAM | | 0144/0035/ 6.0 | | |
| THE INLAND ROUTE | 11-ALANSON LOCK | | 0066/0018/ 7.0 | | |
| ST MARYS RIVER | 01-MACARTHUR LOCK | | 0800/0080/31.0 | | |
| | 02-NEW POE LOCK | | 1200/0110/32.0 | | |
| | 03-DAVIS LOCK00 | | 1350/0080/31.0 | | |
| | 04-SABIN LOCK00 | | 1350/0080/31.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC F3 | DISTRICT NAME DETROIT | DIVISION NAME NORTH CENTRAL | | MONTHS REPORTED | | | | | | | | | |
|-----------------|--------------------------|--------------------------------|----------------|-----------------|----------------|---------------|-----------------|-------------------|------------------|-----------------|-----------------|---------------------------------------|--|
| | | | | | | | | | | | | | |
| RIVER/LOCK NAME | | TOWS RECRTN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS CARRIER | LCKGES RECRTN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, DPN, ETC) | |

FOX RIVER

DE PERE LOCK & DAM NO DATA RECORDED FOR THIS LOCK

LITTLE KAUKAUNA LOCK & DAM NO DATA RECORDED FOR THIS LOCK

RAPIDE CROCHE LOCK & DAM NO DATA RECORDED FOR THIS LOCK

KAUKAUNA LOCK 1 NO DATA RECORDED FOR THIS LOCK

KAUKAUNA LOCK 2 NO DATA RECORDED FOR THIS LOCK

KAUKAUNA LOCK 3 NO DATA RECORDED FOR THIS LOCK

KAUKAUNA LOCK 4 NO DATA RECORDED FOR THIS LOCK

KAUKAUNA LOCK 5 NO DATA RECORDED FOR THIS LOCK

LITTLE CHUTE LOCK 2 NO DATA RECORDED FOR THIS LOCK

LITTLE CHUTE COMB LOCKS UPPER NO DATA RECORDED FOR THIS LOCK

LITTLE CHUTE COMB LOCKS LOWER NO DATA RECORDED FOR THIS LOCK

CEDARS LOCK & DAM NO DATA RECORDED FOR THIS LOCK

APPLETON LOCK 1 NO DATA RECORDED FOR THIS LOCK

APPLETON LOCK 2 NO DATA RECORDED FOR THIS LOCK

APPLETON LOCK 3 NO DATA RECORDED FOR THIS LOCK

APP FROK LOCK NO DATA RECORDED FOR THIS LOCK

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC F3 | DISTRICT NAME DETROIT | DIVISION NAME NORTH CENTRAL | | | | | MONTHS REPORTED | | | | | |
|----------------------|--------------------------------|--------------------------------|-----------------|-----------------|----------------|-----------------|-------------------|-------------------|------------------|------------------|--------------------|-----|
| | | | | | | | 1/84 | 2/84 | 3/84 | | | |
| RIVER/LOCK NAME | TONS RECRTH | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGES CONNER | LOCKGES RECRTH | LOCKGES OTHER | LOCKGES TOTAL | TONNAGE (KTONS) | |
| | | | | | | | | | | | | |
| FOX RIVER | | | | | | | | | | | | |
| MENASHA LOCK & DAM | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| THE INLAND ROUTE | | | | | | | | | | | | |
| ALANSON LOCK | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| ST MARYS RIVER | | | | | | | | | | | | |
| MACARTHUR LOCK | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| NEW POE LOCK | *** ONLY THIRD MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 11 | 0 | 0 | 11 | 8 | 3 | 11 | 12 | 0 | 2 | 14 | 70 |
| DOWNBOUND STATISTICS | 7 | 0 | 0 | 7 | 2 | 5 | 7 | 8 | 0 | 2 | 10 | 141 |
| TOTALS | 18 | 0 | 0 | 18 | 10 | 8 | 18 | 20 | 0 | 4 | 24 | 211 |
| DAVIS LOCKOO | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| SABIN LOCKOO | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|--------------------------------|---------------|---------------------------------|-----------------|--------|-------------|
| F3 | DETROIT | NORTH CENTRAL | 1/84 | 2/84 | 3/84 |
| ALL TIMES EXPRESSED IN MINUTES | | | | | |
| APPROACH | ENTRY | LOCK PROCESSING TIME CHAMBER | EXIT | : TONS | DELAY |
| MIN | MIN | MIN | MIN | TIME | AVG |
| AVG | AVG | AVG | AVG | (TONS) | MAX |
| MAX | MAX | MAX | MAX | (TONS) | (ALL VSSLS) |
| <hr/> | | | | | |
| FOX RIVER | | | | | |
| DE PERE LOCK & DAM | | NO DATA RECORDED FOR THIS LOCK | | | |
| LITTLE KAUKAUNA LOCK & DAM | | NO DATA RECORDED FOR THIS LOCK | | | |
| RAPIDE CROCHE LOCK & DAM | | NO DATA RECORDED FOR THIS LOCK | | | |
| KAUKAUNA LOCK 1 | | NO DATA RECORDED FOR THIS LOCK | | | |
| KAUKAUNA LOCK 2 | | NO DATA RECORDED FOR THIS LOCK | | | |
| KAUKAUNA LOCK 3 | | NO DATA RECORDED FOR THIS LOCK | | | |
| KAUKAUNA LOCK 4 | | NO DATA RECORDED FOR THIS LOCK | | | |
| KAUKAUNA LOCK 5 | | NO DATA RECORDED FOR THIS LOCK | | | |
| LITTLE CHUTE LOCK 2 | | NO DATA RECORDED FOR THIS LOCK | | | |
| LITTLE CHUTE COMB LOCKS UPPER | | NO DATA RECORDED FOR THIS LOCK | | | |
| LITTLE CHUTE COMB LOCKS LOWER | | NO DATA RECORDED FOR THIS LOCK | | | |
| CEDARS LOCK & DAM | | NO DATA RECORDED FOR THIS LOCK | | | |
| APPLETON LOCK 1 | | NO DATA RECORDED FOR THIS LOCK | | | |
| APPLETON LOCK 2 | | NO DATA RECORDED FOR THIS LOCK | | | |
| APPLETON LOCK 3 | | NO DATA RECORDED FOR THIS LOCK | | | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PHS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC F4 | DISTRICT NAME ROCK ISLAND | DIVISION NAME NORTH CENTRAL | MONTHS REPORTED 1/84 | 2/84 | 3/84 |
|-------------------|--|--------------------------------|--|------|------|
| RIVER ILLINOIS | LCODE-LOCK NAME 01-THOMAS J O'BRIEN 02-LOCKPORT LOCK 03-BRANDON ROAD LOCK & DAM 04-DRESDEN ISLAND LOCK & DAM 05-MARSTIELLES LOCK & DAM 06-STARVED ROCK LOCK & DAM 07-PEDRIA LOCK & DAM 08-LAGRANGE LOCK & DAM | | LEN/WID/DRAFT (FT/FT/FT) 1200/0110/12.0 1200/0110/12.0 1200/0110/12.0 1200/0110/12.0 1200/0110/12.0 1200/0110/12.0 1200/0110/12.0 1200/0110/12.0 | | |
| MISSISSIPPI RIVER | 11-LOCK & DAM 11 12-LOCK & DAM 12 13-LOCK & DAM 13 14-LOCK & DAM 14 14-LOCK & DAM 14 AUXILIARY 1 15-LOCK & DAM 15 15-LOCK & DAM 15 AUXILIARY 1 16-LOCK & DAM 16 17-LOCK & DAM 17 18-LOCK & DAM 18 19-LOCK & DAM 19 19-LOCK & DAM 19 AUXILIARY 1 20-LOCK & DAM 20 21-LOCK & DAM 21 22-LOCK & DAM 22 | | 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 1350/0110/10.0 | | |

TABLE 2

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PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC F4 | DISTRICT NAME ROCK ISLAND | DIVISION NAME NORTH CENTRAL | | | | MONTHS REPORTED | | | | | | | |
|---------------------------|------------------------------|--------------------------------|-----------------|-----------------|----------------|-----------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------------------------|--|
| | | | | | | 1/84 | | 2/84 | | 3/84 | | | |
| RIVER/LOCK NAME | TONS | VESSEL RECRTH | VESSEL OTHER | VESSEL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRTH | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | |
| ILLINOIS | | | | | | | | | | | | | |
| THOMAS J O'BRIEN | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 153 | 0 | 44 | 197 | 113 | 271 | 384 | 193 | 0 | 1 | 194 | 387 | |
| DOWNBOUND STATISTICS | 164 | 0 | 37 | 201 | 222 | 159 | 381 | 196 | 0 | 0 | 196 | 258 | |
| TOTALS | 317 | 0 | 81 | 398 | 335 | 430 | 765 | 389 | 0 | 1 | 390 | 646 | |
| LOCKPORT LOCK | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 177 | 0 | 42 | 219 | 140 | 539 | 679 | 208 | 0 | 0 | 208 | 821 | |
| DOWNBOUND STATISTICS | 190 | 0 | 34 | 224 | 363 | 283 | 646 | 213 | 0 | 0 | 213 | 448 | |
| TOTALS | 367 | 0 | 76 | 443 | 503 | 822 | 1325 | 421 | 0 | 0 | 421 | 1270 | |
| BRANDON ROAD LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 184 | 0 | 40 | 224 | 174 | 550 | 724 | 221 | 0 | 7 | 228 | 823 | |
| DOWNBOUND STATISTICS | 193 | 0 | 45 | 238 | 358 | 333 | 691 | 229 | 0 | 5 | 234 | 509 | |
| TOTALS | 377 | 0 | 85 | 462 | 532 | 883 | 1415 | 450 | 0 | 12 | 462 | 1332 | |
| DRESDEN ISLAND LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 178 | 0 | 24 | 202 | 202 | 540 | 742 | 209 | 0 | 3 | 212 | 811 | |
| DOWNBOUND STATISTICS | 185 | 0 | 23 | 208 | 342 | 410 | 752 | 220 | 0 | 1 | 221 | 677 | |
| TOTALS | 363 | 0 | 47 | 410 | 544 | 950 | 1494 | 429 | 0 | 4 | 433 | 1488 | |
| MARSIELLES LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 209 | 0 | 28 | 237 | 272 | 618 | 890 | 266 | 0 | 2 | 268 | 1015 | |
| DOWNBOUND STATISTICS | 200 | 0 | 40 | 240 | 287 | 634 | 921 | 285 | 0 | 2 | 287 | 1002 | |
| TOTALS | 409 | 0 | 68 | 477 | 559 | 1252 | 1811 | 551 | 0 | 4 | 555 | 2017 | |
| STARVED ROCK LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 218 | 0 | 37 | 255 | 394 | 614 | 1008 | 309 | 0 | 1 | 310 | 1016 | |
| DOWNBOUND STATISTICS | 233 | 0 | 28 | 261 | 284 | 790 | 1074 | 328 | 0 | 1 | 329 | 1224 | |
| TOTALS | 451 | 0 | 65 | 516 | 678 | 1404 | 2082 | 637 | 0 | 2 | 639 | 2240 | |
| PEORIA LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 291 | 0 | 33 | 324 | 931 | 751 | 1682 | 149 | 0 | 227 | 376 | 1243 | |
| DOWNBOUND STATISTICS | 306 | 0 | 31 | 337 | 322 | 1605 | 1927 | 147 | 0 | 239 | 386 | 2329 | |
| TOTALS | 597 | 0 | 64 | 661 | 1253 | 2356 | 3609 | 296 | 0 | 466 | 762 | 3572 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC F4 | DISTRICT NAME ROCK ISLAND | DIVISION NAME NORTH CENTRAL | | | | | | MONTHS REPORTED | | | | | |
|--------------------------------|------------------------------|---|------------------|-----------------|-----------------|-----------------|----------------|-----------------|------------------|------------------|-----------------|-----------------|--------------------|
| | | | | | | | | 1/84 | 2/84 | | | | |
| RIVER/LOCK NAME | | TONS | VESSEL RECRTH | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGS COMMER | LOCKGS RECRTH | LOCKGS OTHER | LOCKGS TOTAL | TONNAGE (KTOMS) |
| (NAV, OPN, ETC) | | | | | | | | | | | | | |
| ILLINOIS | | | | | | | | | | | | | |
| LAGRANGE LOCK & DAM | | | | | | | | | | | | | |
| | | XXX ONLY FIRST AND SECOND MONTHS REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | | 306 | 0 | 26 | 332 | 1359 | 779 | 2138 | 69 | 0 | 296 | 365 | 1272 |
| DOWNBOUND STATISTICS | | 325 | 0 | 15 | 340 | 288 | 2061 | 2349 | 63 | 0 | 321 | 384 | 2996 |
| TOTALS | | 631 | 0 | 41 | 672 | 1647 | 2840 | 4487 | 132 | 0 | 617 | 749 | 4268 |
| MISSISSIPPI RIVER | | | | | | | | | | | | | |
| LOCK & DAM 11 | | | | | | | | | | | | | |
| | | XXX ONLY SECOND MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | | 1 | 0 | 0 | 1 | 0 | 13 | 13 | 2 | 0 | 0 | 2 | 18 |
| DOWNBOUND STATISTICS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTALS | | 1 | 0 | 0 | 1 | 0 | 13 | 13 | 2 | 0 | 0 | 2 | 18 |
| LOCK & DAM 12 | | | | | | | | | | | | | |
| | | XXX ONLY SECOND MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | | 2 | 0 | 1 | 3 | 15 | 15 | 30 | 5 | 0 | 0 | 5 | 21 |
| DOWNBOUND STATISTICS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| TOTALS | | 2 | 0 | 1 | 3 | 15 | 15 | 30 | 5 | 0 | 1 | 6 | 21 |
| LOCK & DAM 13 | | | | | | | | | | | | | |
| | | XXX ONLY SECOND MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | | 2 | 0 | 1 | 3 | 15 | 15 | 30 | 5 | 0 | 0 | 5 | 21 |
| DOWNBOUND STATISTICS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| TOTALS | | 2 | 0 | 1 | 3 | 15 | 15 | 30 | 5 | 0 | 1 | 6 | 21 |
| LOCK & DAM 14 | | | | | | | | | | | | | |
| | | XXX ONLY SECOND MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | | 4 | 1 | 0 | 5 | 22 | 15 | 37 | 6 | 1 | 1 | 8 | 22 |
| DOWNBOUND STATISTICS | | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 |
| TOTALS | | 4 | 2 | 1 | 7 | 22 | 15 | 37 | 9 | 1 | 1 | 11 | 22 |
| LOCK & DAM 14 AUXILIARY 1 | | | | | | | | | | | | | |
| NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | |
| LOCK & DAM 15 | | | | | | | | | | | | | |
| | | XXX ONLY SECOND MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | | 8 | 0 | 0 | 8 | 45 | 15 | 60 | 11 | 0 | 0 | 11 | 21 |
| DOWNBOUND STATISTICS | | 1 | 0 | 2 | 3 | 0 | 1 | 1 | 3 | 0 | 0 | 3 | 1 |
| TOTALS | | 9 | 0 | 2 | 11 | 45 | 16 | 61 | 14 | 0 | 0 | 14 | 22 |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC F4 | DISTRICT NAME ROCK ISLAND | DIVISION NAME NORTH CENTRAL | | MONTHS REPORTED | | | | | | | | | |
|---------------------------|------------------------------|--|----------------|-----------------|----------------|---------------|--------|------------------|------------------|-----------------|-----------------|---------------------------------------|--|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | |
| RIVER/LOCK NAME | TOWS | VESSL RECRTN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES | LOCKGS COMMER | LCKGES RECRTN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, DPN, ETC) | |
| MISSISSIPPI RIVER | | | | | | | | | | | | | |
| LOCK & DAM 15 AUXILIARY 1 | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| LOCK & DAM 16 | | *** ONLY SECOND MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 11 | 0 | 2 | 13 | 87 | 24 | 111 | 19 | 0 | 0 | 19 | 33 | |
| DOWNBOUND STATISTICS | 9 | 1 | 5 | 15 | 8 | 82 | 90 | 20 | 1 | 0 | 21 | 114 | |
| TOTALS | 20 | 1 | 7 | 28 | 95 | 106 | 201 | 39 | 1 | 0 | 40 | 148 | |
| LOCK & DAM 17 | | *** ONLY SECOND MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 10 | 0 | 1 | 11 | 112 | 15 | 127 | 19 | 0 | 0 | 19 | 21 | |
| DOWNBOUND STATISTICS | 9 | 0 | 1 | 10 | 0 | 99 | 99 | 17 | 0 | 0 | 17 | 138 | |
| TOTALS | 19 | 0 | 2 | 21 | 112 | 114 | 226 | 36 | 0 | 0 | 36 | 159 | |
| LOCK & DAM 18 | | *** ONLY SECOND MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 12 | 0 | 1 | 13 | 129 | 15 | 144 | 22 | 0 | 0 | 22 | 21 | |
| DOWNBOUND STATISTICS | 10 | 0 | 2 | 12 | 0 | 108 | 108 | 19 | 0 | 0 | 19 | 151 | |
| TOTALS | 22 | 0 | 3 | 25 | 129 | 123 | 252 | 41 | 0 | 0 | 41 | 172 | |
| LOCK & DAM 19 | | *** ONLY FIRST AND SECOND MONTHS REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 17 | 0 | 17 | 34 | 171 | 28 | 199 | 30 | 0 | 1 | 31 | 39 | |
| DOWNBOUND STATISTICS | 54 | 0 | 9 | 63 | 39 | 586 | 625 | 57 | 0 | 0 | 57 | 821 | |
| TOTALS | 71 | 0 | 26 | 97 | 210 | 614 | 824 | 87 | 0 | 1 | 88 | 860 | |
| LOCK & DAM 19 AUXILIARY 1 | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| LOCK & DAM 20 | | *** ONLY FIRST AND SECOND MONTHS REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 18 | 0 | 25 | 43 | 184 | 27 | 211 | 49 | 0 | 1 | 50 | 37 | |
| DOWNBOUND STATISTICS | 68 | 0 | 17 | 85 | 35 | 735 | 770 | 131 | 0 | 1 | 132 | 1032 | |
| TOTALS | 86 | 0 | 42 | 128 | 219 | 762 | 981 | 180 | 0 | 2 | 182 | 1070 | |
| LOCK & DAM 21 | | *** ONLY FIRST AND SECOND MONTHS REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 64 | 2 | 24 | 90 | 333 | 58 | 391 | 104 | 1 | 2 | 107 | 87 | |
| DOWNBOUND STATISTICS | 103 | 3 | 18 | 124 | 44 | 816 | 860 | 173 | 2 | 2 | 177 | 1140 | |
| TOTALS | 167 | 5 | 42 | 214 | 377 | 874 | 1251 | 277 | 3 | 4 | 284 | 1228 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC F4 | DISTRICT NAME ROCK ISLAND | DIVISION NAME NORTH CENTRAL | | | | | | MONTHS REPORTED | | | | |
|-----------------|------------------------------|--------------------------------|----------------|----------------|----------------|---------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------------------------|
| | | 1/84 | 2/84 | 3/84 | | | | | | | | |
| RIVER/LOCK NAME | TONS | VESSL RECRTN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRTN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, DPN, ETC) |

MISSISSIPPI RIVER

| LOCK & DAM 22 | *** ONLY FIRST AND SECOND MONTHS REPORTED | | | | | | | | | | | |
|----------------------|---|---|----|-----|-----|-----|------|-----|---|---|-----|------|
| UPBOUND STATISTICS | 61 | 0 | 16 | 77 | 371 | 59 | 430 | 96 | 0 | 2 | 98 | 87 |
| DOWNBOUND STATISTICS | 99 | 0 | 10 | 109 | 48 | 834 | 882 | 169 | 0 | 1 | 170 | 1160 |
| TOTALS | 160 | 0 | 26 | 186 | 419 | 893 | 1312 | 265 | 0 | 3 | 268 | 1247 |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC F4 | DISTRICT NAME ROCK ISLAND | DIVISION NAME NORTH CENTRAL | | | | | | MONTHS REPORTED 1/84 | | | MONTHS REPORTED 2/84 | | | MONTHS REPORTED 3/84 | | | |
|---------------------------|--------------------------------|--------------------------------|----------------------|-----|-----|--------|-----|-------------------------|----------------|-----|-------------------------|--------------------------------|-----|-------------------------|------------------|-----------------------|------|
| | | | | | | | | | | | | ALL TIMES EXPRESSED IN MINUTES | | | | | |
| APPROACH | | | LOCK PROCESSING TIME | | | : EXIT | | | : DELAYED TOWS | | | DELAY TIME (TONS) | | | DELAY AVG (TONS) | DELAY MAX (ALL VSSLs) | |
| MIN | AVG | MAX | MIN | AVG | MAX | MIN | AVG | MAX | MIN | AVG | MAX | MIN | AVG | MAX | (TONS) | (TONS) | |
| ILLINOIS | | | | | | | | | | | | | | | | | |
| THOMAS J O'BRIEN | 1 | 5 | 26 | 1 | 3 | 32 | 4 | 13 | 38 | 1 | 3 | 11 | : | 42 | 539 | 12.8 | 44 |
| LOCKPORT LOCK | 1 | 8 | 39 | 1 | 8 | 30 | 2 | 21 | 44 | 1 | 7 | 79 | : | 244 | 10239 | 42.0 | 233 |
| BRANDON ROAD LOCK & DAM | 1 | 11 | 430 | 1 | 8 | 55 | 7 | 19 | 405 | 1 | 8 | 64 | : | 235 | 10407 | 40.8 | 375 |
| DRESDEN ISLAND LOCK & DAM | 1 | 8 | 58 | 1 | 8 | 37 | 5 | 15 | 38 | 1 | 10 | 126 | : | 196 | 10370 | 52.9 | 1450 |
| MARSIELLES LOCK & DAM | 1 | 14 | 436 | 1 | 9 | 66 | 4 | 21 | 618 | 1 | 19 | 851 | : | 235 | 45437 | 193.3 | 1002 |
| STARVED ROCK LOCK & DAM | 1 | 8 | 235 | 1 | 8 | 34 | 5 | 14 | 114 | 1 | 13 | 182 | : | 223 | 39800 | 178.8 | 1161 |
| PEDRIA LOCK & DAM | 1 | 2 | 45 | 1 | 6 | 451 | 1 | 6 | 252 | 1 | 9 | 204 | : | 242 | 63966 | 244.1 | 1873 |
| LAGRANGE LOCK & DAM | 1 | 2 | 78 | 1 | 3 | 50 | 1 | 3 | 31 | 1 | 6 | 104 | : | 149 | 25263 | 169.6 | 700 |
| MISSISSIPPI RIVER | | | | | | | | | | | | | | | | | |
| LOCK & DAM 11 | 8 | 25 | 43 | 12 | 20 | 29 | 2 | 12 | 23 | 100 | 259 | 264 | : | 0 | 0 | .0 | 0 |
| LOCK & DAM 12 | 1 | 8 | 13 | 1 | 6 | 15 | 4 | 9 | 20 | 1 | 10 | 25 | : | 1 | 18 | 18.0 | 18 |
| LOCK & DAM 13 | 5 | 19 | 58 | 1 | 5 | 14 | 9 | 13 | 20 | 2 | 16 | 30 | : | 0 | 0 | .0 | 0 |
| LOCK & DAM 14 | 1 | 5 | 13 | 1 | 4 | 11 | 6 | 8 | 12 | 1 | 11 | 38 | : | 0 | 0 | .0 | 0 |
| LOCK & DAM 14 AUXILIARY 1 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | |
| LOCK & DAM 15 | 3 | 7 | 20 | 1 | 5 | 15 | 6 | 14 | 31 | 3 | 14 | 39 | : | 1 | 77 | 77.0 | 77 |
| LOCK & DAM 15 AUXILIARY 1 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|-------------------|---------------------------------|---------------|--------------------------|------|------|
| F5 | ST. PAUL | NORTH CENTRAL | 1/84 | 2/84 | 3/84 |
| <hr/> | | | | | |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| MISSISSIPPI RIVER | 01-LOCK & DAM 1 MAIN CHBR 1 | | 0400/0056/11.0 | | |
| | 01-LOCK & DAM 1 MAIN CHBR 2 | | 0400/0056/11.0 | | |
| | 02-LOCK & DAM 2 | | 0600/0110/11.0 | | |
| | 02-LOCK & DAM 2 AUXILIARY 1 | | 0500/0110/11.0 | | |
| | 03-LOCK & DAM 3 | | 0600/0110/11.0 | | |
| | 04-LOCK & DAM 4 | | 0600/0110/11.0 | | |
| | 05-LOCK & DAM 5 | | 0600/0110/11.0 | | |
| | 06-LOCK & DAM 6 | | 0600/0110/11.0 | | |
| | 07-LOCK & DAM 7 | | 0600/0110/11.0 | | |
| | 08-LOCK & DAM 8 | | 0600/0110/11.0 | | |
| | 09-LOCK & DAM 9 | | 0600/0110/11.0 | | |
| | 10-LOCK & DAM 10 | | 0600/0110/11.0 | | |
| | 51-ST ANTHONY FALLS UPPER L & D | | 0400/0056/11.0 | | |
| | 52-ST ANTHONY FALLS LOWER L & D | | 0400/0056/11.0 | | |
| | 55-LOCK & DAM 5A | | 0600/0110/11.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC F5 | DISTRICT NAME ST. PAUL | DIVISION NAME NORTH CENTRAL | | MONTHS REPORTED | | | | | | | | | |
|--------------------------|--------------------------------|--------------------------------|----------------|-----------------|----------------|---------------|-----------------|------------------|------------------|-----------------|-----------------|--------------------|-----|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | |
| RIVER/LOCK NAME | TONS | VESSL RECRTN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LOCKGS RECRTN | LOCKGS OTHER | LOCKGS TOTAL | TONNAGE (KTONS) | |
| MISSISSIPPI RIVER | | | | | | | | | | | | | |
| LOCK & DAM 1 MAIN CHBR 1 | *** | ONLY THIRD MONTH REPORTED | | | | | | | | | | 13 | 12 |
| UPBOUND STATISTICS | 9 | 5 | 1 | 15 | 7 | 3 | 15 | 10 | 3 | 0 | 13 | 12 | |
| DOWNBOUND STATISTICS | 5 | 5 | 6 | 16 | 4 | - | 6 | - | 3 | 0 | 14 | 12 | |
| TOTALS | 14 | 10 | 7 | 31 | 11 | 1 | 21 | 21 | 6 | 0 | 27 | 12 | |
| LOCK & DAM 1 MAIN CHBR 2 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | |
| LOCK & DAM 2 | *** | ONLY THIRD MONTH REPORTED | | | | | | | | | | 123 | 255 |
| UPBOUND STATISTICS | 69 | 0 | 4 | 73 | 571 | 181 | 752 | 122 | 0 | 1 | 123 | 255 | |
| DOWNBOUND STATISTICS | 55 | 0 | 6 | 61 | 11 | 37 | 408 | 90 | 0 | 0 | 90 | 560 | |
| TOTALS | 124 | 0 | 10 | 134 | 582 | 578 | 1160 | 212 | 0 | 1 | 213 | 815 | |
| LOCK & DAM 2 AUXILIARY 1 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | |
| LOCK & DAM 3 | *** | ONLY THIRD MONTH REPORTED | | | | | | | | | | 138 | 247 |
| UPBOUND STATISTICS | 66 | 11 | 12 | 89 | 574 | 175 | 749 | 125 | 12 | 1 | 138 | 247 | |
| DOWNBOUND STATISTICS | 50 | 8 | 20 | 78 | 2 | 401 | 403 | 85 | 11 | 0 | 96 | 565 | |
| TOTALS | 116 | 19 | 32 | 167 | 576 | 576 | 1152 | 210 | 23 | 1 | 234 | 813 | |
| LOCK & DAM 4 | *** | ONLY THIRD MONTH REPORTED | | | | | | | | | | 133 | 246 |
| UPBOUND STATISTICS | 67 | 9 | 1 | 77 | 590 | 175 | 765 | 117 | 13 | 3 | 133 | 246 | |
| DOWNBOUND STATISTICS | 48 | 12 | 8 | 68 | 2 | 376 | 378 | 78 | 12 | 1 | 91 | 530 | |
| TOTALS | 115 | 21 | 9 | 145 | 592 | 551 | 1143 | 195 | 25 | 4 | 224 | 777 | |
| LOCK & DAM 5 | *** | ONLY THIRD MONTH REPORTED | | | | | | | | | | 126 | 250 |
| UPBOUND STATISTICS | 68 | 0 | 1 | 69 | 619 | 177 | 796 | 123 | 0 | 3 | 126 | 250 | |
| DOWNBOUND STATISTICS | 47 | 0 | 8 | 55 | 0 | 376 | 376 | 78 | 0 | 3 | 81 | 530 | |
| TOTALS | 115 | 0 | 9 | 124 | 619 | 553 | 1172 | 201 | 0 | 6 | 207 | 781 | |
| LOCK & DAM 6 | *** | ONLY THIRD MONTH REPORTED | | | | | | | | | | 145 | 316 |
| UPBOUND STATISTICS | 74 | 2 | 4 | 80 | 698 | 221 | 919 | 135 | 3 | 7 | 145 | 316 | |
| DOWNBOUND STATISTICS | 49 | 3 | 9 | 61 | 7 | 398 | 405 | 84 | 4 | 4 | 92 | 560 | |
| TOTALS | 123 | 5 | 13 | 141 | 705 | 619 | 1324 | 219 | 7 | 11 | 237 | 877 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC FS | DISTRICT NAME ST. PAUL | DIVISION NAME NORTH CENTRAL | | MONTHS REPORTED | | | | | | | | | |
|---|---------------------------|--------------------------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|------------------|-----------------|-----------------|---------------------------------------|------|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | |
| RIVER/LOCK NAME | TONS | VESSEL RECRDN | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGS DOWNR | LOCKGS RECRDN | LOCKGS OTHER | LOCKGS TOTAL | TONNAGE (KTONS) (NAV, DPN, ETC) | |
| MISSISSIPPI RIVER | | | | | | | | | | | | | |
| LOCK & DAM 7 | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 71 | 3 | 17 | 91 | 707 | 221 | 928 | 148 | 5 | 10 | 163 | 311 |
| DOWNBOUND STATISTICS | | 51 | 2 | 18 | 71 | 5 | 385 | 390 | 93 | 2 | 5 | 100 | 544 |
| TOTALS | | 122 | 5 | 35 | 162 | 712 | 606 | 1318 | 241 | 7 | 15 | 263 | 855 |
| LOCK & DAM 8 | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 71 | 2 | 6 | 79 | 721 | 230 | 951 | 142 | 3 | 11 | 156 | 335 |
| DOWNBOUND STATISTICS | | 44 | 0 | 9 | 53 | 8 | 377 | 385 | 80 | 0 | 3 | 83 | 528 |
| TOTALS | | 115 | 2 | 15 | 132 | 729 | 607 | 1336 | 222 | 3 | 14 | 239 | 863 |
| LOCK & DAM 9 | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 74 | 2 | 1 | 77 | 714 | 254 | 968 | 138 | 3 | 5 | 146 | 367 |
| DOWNBOUND STATISTICS | | 42 | 3 | 6 | 51 | 36 | 341 | 377 | 76 | 3 | 0 | 79 | 478 |
| TOTALS | | 116 | 5 | 7 | 128 | 750 | 595 | 1345 | 214 | 6 | 5 | 225 | 845 |
| LOCK & DAM 10 | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 101 | 7 | 7 | 115 | 887 | 265 | 1152 | 176 | 9 | 8 | 193 | 381 |
| DOWNBOUND STATISTICS | | 60 | 7 | 18 | 85 | 29 | 443 | 472 | 105 | 8 | 4 | 117 | 621 |
| TOTALS | | 161 | 14 | 25 | 200 | 916 | 708 | 1624 | 281 | 17 | 12 | 310 | 1002 |
| ST ANTHONY FALLS UPPER L & D | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 6 | 3 | 3 | 12 | 7 | 5 | 12 | 9 | 1 | 0 | 10 | 6 |
| DOWNBOUND STATISTICS | | 2 | 3 | 5 | 10 | 0 | 2 | 2 | 8 | 1 | 0 | 9 | 2 |
| TOTALS | | 8 | 6 | 8 | 22 | 7 | 7 | 14 | 17 | 2 | 0 | 19 | 9 |
| ST ANTHONY FALLS LOWER L & D | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 9 | 3 | 2 | 14 | 7 | 11 | 18 | 11 | 1 | 0 | 12 | 11 |
| DOWNBOUND STATISTICS | | 4 | 4 | 5 | 13 | 4 | 2 | 6 | 9 | 3 | 0 | 12 | 3 |
| TOTALS | | 13 | 7 | 7 | 27 | 11 | 13 | 24 | 20 | 4 | 0 | 24 | 14 |
| LOCK & DAM 5A | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 69 | 1 | 3 | 73 | 621 | 177 | 798 | 125 | 1 | 6 | 132 | 251 |
| DOWNBOUND STATISTICS | | 48 | 0 | 10 | 58 | 2 | 376 | 378 | 81 | 0 | 4 | 85 | 530 |
| TOTALS | | 117 | 1 | 13 | 131 | 623 | 553 | 1176 | 206 | 1 | 10 | 217 | 782 |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC FS | DISTRICT NAME ST. PAUL | DIVISION NAME NORTH CENTRAL | MONTHS REPORTED | | | | | | | | | | | |
|--------------------------------|---------------------------|--------------------------------|--------------------------------|----------------------|---------|-----------|-------|-------|-------|-------|------|--|--------|--------|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | |
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | |
| | | | APPROACH | LOCK PROCESSING TIME | | ! DELAYED | DELAY | DELAY | DELAY | | | | | |
| | | | ENTRY | CHAMBER | EXIT | : TONS | TIME | AVG | MAX | | | | | |
| | | | MIN | AVG | MAX | : MIN | AVG | MAX | : MIN | AVG | MAX | | (TONS) | (TONS) |
| MISSISSIPPI RIVER | | | | | | | | | | | | | | |
| LOCK & DAM 1 MAIN CHBR 1 | | | 1 2 6 | 2 4 9 | 9 12 20 | 2 5 14 | : | 1 | 17 | 17.0 | 17 | | | |
| LOCK & DAM 1 MAIN CHBR 2 | | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| LOCK & DAM 2 | | | 1 16 332 | 1 12 118 | 5 12 55 | 1 20 190 | : | 77 | 21351 | 277.3 | 1255 | | | |
| LOCK & DAM 2 AUXILIARY 1 | | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| LOCK & DAM 3 | | | 1 9 92 | 1 8 32 | 3 5 15 | 1 14 106 | : | 45 | 3012 | 66.9 | 252 | | | |
| LOCK & DAM 4 | | | 1 9 58 | 1 9 56 | 4 7 36 | 1 15 59 | : | 55 | 5788 | 105.2 | 622 | | | |
| LOCK & DAM 5 | | | 1 9 115 | 1 9 89 | 4 8 50 | 1 19 190 | : | 52 | 4108 | 79.0 | 241 | | | |
| LOCK & DAM 6 | | | 1 8 56 | 1 9 61 | 4 6 55 | 1 15 73 | : | 67 | 9381 | 140.0 | 561 | | | |
| LOCK & DAM 7 | | | 1 9 171 | 1 12 259 | 4 7 55 | 2 19 285 | : | 71 | 12071 | 170.0 | 490 | | | |
| LOCK & DAM 8 | | | 1 9 92 | 1 11 110 | 5 11 75 | 2 19 69 | : | 66 | 14070 | 213.2 | 1008 | | | |
| LOCK & DAM 9 | | | 1 10 87 | 1 10 55 | 4 7 55 | 2 20 102 | : | 39 | 4924 | 126.3 | 386 | | | |
| LOCK & DAM 10 | | | 1 10 345 | 1 11 399 | 4 6 42 | 1 19 431 | : | 73 | 6730 | 92.2 | 557 | | | |
| ST ANTHONY FALLS UPPER L & D 1 | 3 | 11 | 1 3 9 | 8 9 10 | 1 4 12 | : | 2 | 49 | 24.5 | 25 | | | | |
| ST ANTHONY FALLS LOWER L & D 1 | 3 | 9 | 1 3 7 | 10 12 15 | 1 3 7 | : | 2 | 48 | 24.0 | 34 | | | | |
| LOCK & DAM 5A | | | 1 8 77 | 1 8 95 | 4 7 34 | 1 13 38 | : | 46 | 2660 | 57.8 | 234 | | | |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|------------------|---------------------------------|---------------|--------------------------|------|------|
| G2 | PORTLAND | NORTH PACIFIC | 1/84 | 2/84 | 3/84 |
| <hr/> | | | | | |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| COLUMBIA RIVER | 01-BONNEVILLE LOCK & DAM | | 0500/0074/15.0 | | |
| | 02-THE DALLES DAM | | 0650/0084/15.0 | | |
| | 03-JOHN DAY LOCK & DAM | | 0650/0084/15.0 | | |
| WILLAMETTE RIVER | 11-WILLAMETTE FALLS LOCKS 1 - 4 | | 0200/0037/ 6.5 | | |
| | 15-WILLAMETTE FALLS GUARD LOCK | | 0200/0037/ 6.5 | | |
| <hr/> | | | | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC G2 | DISTRICT NAME PORTLAND | DIVISION NAME NORTH PACIFIC | | | | | | MONTHS REPORTED | | | | | |
|------------------------------|---------------------------|--------------------------------|----------------|----------------|----------------|---------------|-----------------|------------------|-----------------|-----------------|-----------------|---------------------------------------|--|
| | | 1/84 | | | 2/84 | | | 3/84 | | | | | |
| RIVER/LOCK NAME | TOWS | VESSL RECRN | VESSL OTHER | VESSL TOTAL | BARCS EMPTY | BARCS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTOMS) (NAV, DPN, ETC) | |
| COLUMBIA RIVER | | | | | | | | | | | | | |
| BONNEVILLE LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 198 | 6 | 15 | 219 | 479 | 204 | 683 | 418 | 6 | 10 | 434 | 296 | |
| DOWNBOUND STATISTICS | 205 | 9 | 11 | 225 | 25 | 675 | 700 | 437 | 8 | 6 | 451 | 1505 | |
| TOTALS | 403 | 15 | 26 | 444 | 504 | 879 | 1383 | 855 | 14 | 16 | 885 | 1802 | |
| THE DALLES DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 150 | 2 | 4 | 156 | 340 | 190 | 530 | 153 | 2 | 4 | 159 | 283 | |
| DOWNBOUND STATISTICS | 154 | 6 | 4 | 164 | 21 | 519 | 540 | 159 | 4 | 4 | 167 | 1282 | |
| TOTALS | 304 | 8 | 8 | 320 | 361 | 709 | 1070 | 312 | 6 | 8 | 326 | 1565 | |
| JOHN DAY LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 150 | 2 | 5 | 157 | 333 | 187 | 520 | 151 | 1 | 5 | 157 | 277 | |
| DOWNBOUND STATISTICS | 155 | 8 | 5 | 168 | 20 | 518 | 538 | 157 | 4 | 6 | 167 | 1265 | |
| TOTALS | 305 | 10 | 10 | 325 | 353 | 705 | 1058 | 308 | 5 | 11 | 324 | 1542 | |
| WILLAMETTE RIVER | | | | | | | | | | | | | |
| WILLAMETTE FALLS LOCKS 1 - 4 | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 106 | 13 | 12 | 131 | 16 | 154 | 170 | 171 | 19 | 0 | 190 | 44 | |
| DOWNBOUND STATISTICS | 100 | 21 | 17 | 138 | 3 | 151 | 154 | 162 | 25 | 0 | 187 | 41 | |
| TOTALS | 206 | 34 | 29 | 269 | 19 | 305 | 324 | 333 | 44 | 0 | 377 | 85 | |
| WILLAMETTE FALLS GUARD LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 115 | 14 | 135 | 264 | 12 | 113 | 125 | 245 | 13 | 1 | 259 | 29 | |
| DOWNBOUND STATISTICS | 112 | 22 | 140 | 274 | 15 | 97 | 112 | 216 | 18 | 1 | 235 | 28 | |
| TOTALS | 227 | 36 | 275 | 538 | 27 | 210 | 237 | 461 | 31 | 2 | 494 | 57 | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC G2 | DISTRICT NAME PORTLAND | DIVISION NAME NORTH PACIFIC | 1/84 | MONTHS REPORTED 2/84 | 3/84 | | | | | | | | | | | | |
|--------------------------------|---------------------------|--------------------------------|-----------|-------------------------|-------------|----|----|----|-----|---|---|----|---|-----|-------|-------|-------|
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | | |
| | APPROACH | LOCK PROCESSING TIME | | : DELAYED | DELAY | | | | | | | | | | | | |
| | ENTRY | CHAMBER | EXIT | TIME | AVG | | | | | | | | | | | | |
| | MIN : MIN | MIN : MIN | MIN : MIN | (TOMS) | (ALL VSSLs) | | | | | | | | | | | | |
| | AVG | MAX | Avg | MAX | MAX | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| COLUMBIA RIVER | | | | | | | | | | | | | | | | | |
| BONNEVILLE LOCK & DAM | 1 | 7 | 67 | 2 | 6 | 68 | 10 | 23 | 100 | 1 | 4 | 26 | : | 397 | 27916 | 70.3 | 455 |
| THE DALLES DAM | 1 | 5 | 25 | 2 | 6 | 21 | 5 | 22 | 118 | 1 | 5 | 20 | : | 267 | 42989 | 161.0 | 20330 |
| JOHN DAY LOCK & DAM | 2 | 5 | 27 | 2 | 6 | 26 | 15 | 26 | 80 | 1 | 5 | 30 | : | 305 | 2043 | 6.7 | 100 |
| WILLAMETTE RIVER | | | | | | | | | | | | | | | | | |
| WILLAMETTE FALLS LOCKS 1 - 4 | 1 | 1 | 43 | 1 | 2 | 13 | 1 | 36 | 74 | 1 | 1 | 11 | : | 203 | 252 | 1.2 | 11 |
| WILLAMETTE FALLS GUARD LOCK | 1 | 1 | 3 | 1 | 1 | 4 | 1 | 1 | 66 | 1 | 1 | 11 | : | 225 | 230 | 1.0 | 51 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED |
|------------------------|----------------------------------|---------------|--------------------------|
| G3 | SEATTLE | NORTH PACIFIC | 1/84 2/84 3/84 |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) |
| LAKE WASHINGTON SHP CA | 01-HIRAM M CHITTENDEN LOCKS | | 0825/0080/30.0 |
| | 01-HIRAM M CHITTENDEN LOCKS AUX1 | | 0150/0026/25.0 |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC G3 | DISTRICT NAME SEATTLE | DIVISION NAME NORTH PACIFIC | | | | | | MONTHS REPORTED | | | | | |
|--------------------------------------|--------------------------|--------------------------------|----------------|----------------|----------------|---------------|-----------------|------------------|-----------------|-----------------|-----------------|---------------------------------------|--|
| | | 1/84 | | | 2/84 | | | 3/84 | | | | | |
| RIVER/LOCK NAME | TOWS | VESSL RECRN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS CONMER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | |
| LAKE WASHINGTON SHP CA | | | | | | | | | | | | | |
| HIRAM M CHITTENDEN LOCKS | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 219 | 1302 | 294 | 1815 | 68 | 212 | 280 | 442 | 61 | 53 | 556 | 330 | |
| DOWNBOUND STATISTICS | 256 | 1023 | 318 | 1597 | 171 | 297 | 468 | 484 | 53 | 49 | 586 | 100 | |
| TOTALS | 475 | 2325 | 612 | 3412 | 239 | 509 | 748 | 926 | 114 | 102 | 1142 | 430 | |
| HIRAM M CHITTENDEN LOCKS AUX1 | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 17 | 2325 | 295 | 2637 | 15 | 2 | 17 | 540 | 751 | 100 | 1391 | 0 | |
| DOWNBOUND STATISTICS | 21 | 2704 | 263 | 2988 | 11 | 10 | 21 | 523 | 884 | 92 | 1499 | 0 | |
| TOTALS | 38 | 5029 | 558 | 5625 | 26 | 12 | 38 | 1063 | 1635 | 192 | 2890 | 0 | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC G3 | DISTRICT NAME SEATTLE | DIVISION NAME NORTH PACIFIC | MONTHS REPORTED | | | | | | | | | | | | | | | | |
|--------------------------------|--------------------------|--------------------------------|-----------------|-----|--------|---------|-----|------|------|-----|-----|-------|-----|-----|---------|-------|-------|-----|--|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | | | | | | |
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | DELAYED | DELAY | DELAY | | |
| APPROACH | | LOCK PROCESSING TIME | | | : TOWS | | | TIME | | | AVG | | | MAX | | | | | |
| MIN | | ENTRY | : MIN | | | CHAMBER | | | EXIT | | | : MIN | | | (TOWS) | | | | |
| MAX | | Avg | MIN | Avg | Max | MIN | Avg | Max | MIN | Avg | Max | MIN | Avg | Max | (TOWS) | | | | |
| LAKE WASHINGTON SHP CA | | | | | | | | | | | | | | | | | | | |
| HIRAM M CHITTENDEN LOCKS | | 1 | 2 | 25 | 1 | 3 | 43 | 2 | 13 | 55 | 1 | 6 | 67 | : | 432 | 3648 | 8.4 | 140 | |
| HIRAM M CHITTENDEN LOCKS AUX | | 1 | 1 | 10 | 1 | 1 | 18 | 1 | 4 | 34 | 1 | 5 | 33 | : | 3 | 9 | 3.0 | 65 | |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|----------------|--------------------------------|---------------|--------------------------|------|------|
| G4 | WALLA WALLA | NORTH PACIFIC | 1/84 | 2/84 | 3/84 |
| <hr/> | | | | | |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| COLUMBIA RIVER | 24-MCNARY LOCK & DAM | | 0650/0084/14.0 | | |
| SNAKE RIVER | 01-ICE HARBOR LOCK & DAM | | 0650/0084/14.0 | | |
| | 02-LOWER MONUMENTAL LOCK & DAM | | 0650/0084/14.0 | | |
| | 03-LITTLE GOOSE LOCK & DAM | | 0650/0084/14.0 | | |
| | 04-LOWER GRANITE LOCK & DAM | | 0650/0084/14.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC 64 | DISTRICT NAME WALLA WALLA | DIVISION NAME NORTH PACIFIC | | MONTHS REPORTED | | | | | | | | | | |
|-----------------------------|------------------------------|--------------------------------|------------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------------|------------------|-----------------|-----------------|--------------------|--|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | | |
| RIVER/LOCK NAME | | TONS | VESSEL RECRDN | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGS CARRIER | LCKGES RECRDN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) | |
| COLUMBIA RIVER | | | | | | | | | | | | | | |
| MCNARY LOCK & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 141 | 5 | 0 | 146 | 303 | 197 | 500 | 142 | 4 | 1 | 147 | 291 | | |
| DOWNBOUND STATISTICS | 144 | 11 | 0 | 155 | 27 | 473 | 500 | 148 | 6 | 1 | 155 | 1249 | | |
| TOTALS | 285 | 16 | 0 | 301 | 330 | 670 | 1000 | 290 | 10 | 2 | 302 | 1540 | | |
| SNAKE RIVER | | | | | | | | | | | | | | |
| ICE HARBOR LOCK & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 128 | 17 | 31 | 176 | 268 | 42 | 310 | 160 | 12 | 3 | 175 | 15 | | |
| DOWNBOUND STATISTICS | 147 | 20 | 77 | 244 | 3 | 307 | 310 | 161 | 11 | 3 | 175 | 741 | | |
| TOTALS | 275 | 37 | 108 | 420 | 271 | 349 | 620 | 321 | 23 | 6 | 350 | 756 | | |
| LOWER MONUMENTAL LOCK & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 86 | 3 | 0 | 89 | 239 | 41 | 280 | 88 | 2 | 1 | 91 | 16 | | |
| DOWNBOUND STATISTICS | 87 | 4 | 1 | 92 | 3 | 275 | 278 | 88 | 3 | 2 | 93 | 642 | | |
| TOTALS | 173 | 7 | 1 | 181 | 242 | 316 | 558 | 176 | 5 | 3 | 184 | 658 | | |
| LITTLE GOOSE LOCK & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 86 | 0 | 0 | 86 | 234 | 41 | 275 | 86 | 0 | 2 | 88 | 16 | | |
| DOWNBOUND STATISTICS | 86 | 1 | 0 | 87 | 3 | 266 | 269 | 87 | 1 | 3 | 91 | 616 | | |
| TOTALS | 172 | 1 | 0 | 173 | 237 | 307 | 544 | 173 | 1 | 5 | 179 | 633 | | |
| LOWER GRANITE LOCK & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 81 | 3 | 1 | 85 | 182 | 41 | 223 | 84 | 2 | 5 | 91 | 17 | | |
| DOWNBOUND STATISTICS | 80 | 8 | 1 | 89 | 4 | 207 | 211 | 82 | 4 | 6 | 92 | 447 | | |
| TOTALS | 161 | 11 | 2 | 174 | 186 | 248 | 434 | 166 | 6 | 11 | 183 | 464 | | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC G4 | DISTRICT NAME WALLA WALLA | DIVISION NAME NORTH PACIFIC | 1/84 | MONTHS REPORTED 2/84 | 3/84 | | | | | | | | | | | | |
|--------------------------------|------------------------------|--------------------------------|-----------|-------------------------|-------------------|----|----|----|----|---|---|----|---|-----|------|-----|-----|
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | | |
| | APPROACH | LOCK PROCESSING TIME | | | | | | | | | | | | | | | |
| | ENTRY | CHAMBER | EXIT | | | | | | | | | | | | | | |
| | MIN : MIN | MIN : MIN | MIN : MIN | : TOWS | DELAY | | | | | | | | | | | | |
| | AVG : AVG | MAX : MAX | MAX : MAX | TIME (TOWS) | DELAY (ALL VSSLS) | | | | | | | | | | | | |
| | MIN : MAX | MAX : MAX | MAX : MAX | Avg (TOWS) | Max (TOWS) | | | | | | | | | | | | |
| COLUMBIA RIVER | | | | | | | | | | | | | | | | | |
| MCNARY LOCK & DAM | 2 | 5 | 32 | 2 | 6 | 25 | 6 | 17 | 36 | 2 | 6 | 17 | : | 284 | 1912 | 6.7 | 75 |
| SNAKE RIVER | | | | | | | | | | | | | | | | | |
| ICE HARBOR LOCK & DAM | 1 | 3 | 18 | 1 | 3 | 15 | 8 | 21 | 34 | 2 | 3 | 17 | : | 275 | 1309 | 4.8 | 143 |
| LOWER MONUMENTAL LOCK & DAM | 2 | 4 | 21 | 2 | 6 | 23 | 12 | 23 | 41 | 1 | 4 | 13 | : | 173 | 1539 | 8.9 | 400 |
| LITTLE GOOSE LOCK & DAM | 1 | 4 | 30 | 2 | 4 | 30 | 10 | 20 | 60 | 2 | 5 | 20 | : | 172 | 1340 | 7.8 | 290 |
| LOWER GRANITE LOCK & DAM | 2 | 3 | 16 | 2 | 6 | 17 | 9 | 12 | 40 | 2 | 4 | 10 | : | 160 | 635 | 4.0 | 27 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|---------------|---------------|----------------------------------|--------------------------|------|------|
| H1 | HUNTINGTON | OHIO RIVER | 1/84 | 2/84 | 3/84 |
| <hr/> | | | | | |
| RIVER | | LCODE-LOCK NAME | LEN/WID/DRAFT (FT/FT/FT) | | |
| KANAWHA RIVER | | 01-WINFIELD LOCKS & DAM MAIN 1 | 0360/0056/12.0 | | |
| | | 01-WINFIELD LOCKS & DAM MAIN 2 | 0360/0056/12.0 | | |
| | | 02-MARMET LOCKS & DAM MAIN 1 | 0360/0056/12.0 | | |
| | | 02-MARMET LOCKS & DAM MAIN 2 | 0360/0056/12.0 | | |
| | | 03-LONDON LOCKS & DAM MAIN 1 | 0360/0056/12.0 | | |
| | | 03-LONDON LOCKS & DAM MAIN 2 | 0360/0056/12.0 | | |
| OHIO RIVER | | 21-BELLEVILLE LOCKS & DAM | 1200/0110/12.0 | | |
| | | 21-BELLEVILLE LOCKS & DAM AUX 1 | 0600/0110/12.0 | | |
| | | 22-RACINE LOCKS & DAM | 1200/0110/12.0 | | |
| | | 22-RACINE LOCKS & DAM AUX 1 | 0600/0110/12.0 | | |
| | | 23-GALLIPOLIS LOCKS & DAM | 0600/0110/12.0 | | |
| | | 23-GALLIPOLIS LOCKS & DAM AUX 1 | 0360/0110/12.0 | | |
| | | 24-GREENUP LOCKS & DAM | 1200/0110/12.0 | | |
| | | 24-GREENUP LOCKS & DAM AUX 1 | 0600/0110/12.0 | | |
| | | 25-CAPT ANT MELDAHL LOCKS & DAM | 1200/0110/12.0 | | |
| | | 25-CAPT ANT MELDAHL LK&DAM AUX 1 | 0600/0110/12.0 | | |
| | | 72-WILLOW ISLAND LOCKS & DAM | 1200/0110/12.0 | | |
| | | 72-WILLOW ISLAND LOCKS & DAM AUX | 0600/0110/12.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H1 | DISTRICT NAME HUNTINGTON | DIVISION NAME OHIO RIVER | | MONTHS REPORTED | | | | | | | | | | |
|-----------------------------|-----------------------------|-----------------------------|-----------------|-----------------|----------------|----------------|---------------|-----------------|------------------|------------------|-----------------|-----------------|--------------------|--|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | | |
| RIVER/LOCK NAME | | TONS | VESSL RECRTN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS CONVER | LCKGES RECRTN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) | |
| KANAWHA RIVER | | | | | | | | | | | | | | |
| WINFIELD LOCKS & DAM MAIN 1 | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 265 | 0 | 12 | 277 | 979 | 430 | 1409 | 1004 | 0 | 0 | 1004 | 775 | |
| DOWNBOUND STATISTICS | | 279 | 0 | 12 | 291 | 212 | 1525 | 1737 | 1057 | 0 | 3 | 1060 | 1678 | |
| TOTALS | | 544 | 0 | 24 | 568 | 1191 | 1955 | 3146 | 2061 | 0 | 3 | 2064 | 2454 | |
| WINFIELD LOCKS & DAM MAIN 2 | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 240 | 1 | 14 | 255 | 1161 | 161 | 1322 | 806 | 3 | 3 | 812 | 282 | |
| DOWNBOUND STATISTICS | | 203 | 1 | 24 | 228 | 271 | 626 | 897 | 687 | 3 | 0 | 690 | 721 | |
| TOTALS | | 443 | 2 | 38 | 483 | 1432 | 787 | 2219 | 1493 | 6 | 3 | 1502 | 1004 | |
| MARNET LOCKS & DAM MAIN 1 | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 161 | 0 | 8 | 169 | 701 | 59 | 760 | 552 | 0 | 0 | 552 | 105 | |
| DOWNBOUND STATISTICS | | 198 | 0 | 12 | 210 | 36 | 1003 | 1039 | 733 | 0 | 0 | 733 | 1207 | |
| TOTALS | | 359 | 0 | 20 | 379 | 737 | 1062 | 1799 | 1265 | 0 | 0 | 1265 | 1312 | |
| MARNET LOCKS & DAM MAIN 2 | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 204 | 0 | 22 | 226 | 736 | 62 | 798 | 613 | 0 | 0 | 613 | 85 | |
| DOWNBOUND STATISTICS | | 151 | 1 | 36 | 188 | 60 | 416 | 476 | 417 | 2 | 0 | 419 | 515 | |
| TOTALS | | 355 | 1 | 58 | 414 | 796 | 478 | 1274 | 1030 | 2 | 0 | 1032 | 600 | |
| LONDON LOCKS & DAM MAIN 1 | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 61 | 0 | 6 | 67 | 166 | 1 | 167 | 112 | 0 | 0 | 112 | 0 | |
| DOWNBOUND STATISTICS | | 20 | 0 | 3 | 23 | 1 | 43 | 44 | 29 | 0 | 0 | 29 | 44 | |
| TOTALS | | 81 | 0 | 9 | 90 | 167 | 44 | 211 | 141 | 0 | 0 | 141 | 44 | |
| LONDON LOCKS & DAM MAIN 2 | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 137 | 0 | 15 | 152 | 382 | 5 | 387 | 257 | 0 | 0 | 257 | 3 | |
| DOWNBOUND STATISTICS | | 187 | 0 | 6 | 193 | 7 | 487 | 494 | 321 | 0 | 0 | 321 | 535 | |
| TOTALS | | 324 | 0 | 21 | 345 | 389 | 492 | 881 | 578 | 0 | 0 | 578 | 539 | |
| OHIO RIVER | | | | | | | | | | | | | | |
| BELLEVILLE LOCKS & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 471 | 0 | 1 | 472 | 870 | 4270 | 5140 | 471 | 0 | 0 | 471 | 6100 | |
| DOWNBOUND STATISTICS | | 435 | 0 | 4 | 439 | 2467 | 2504 | 4971 | 436 | 0 | 0 | 436 | 3774 | |
| TOTALS | | 906 | 0 | 5 | 911 | 3337 | 6774 | 10111 | 907 | 0 | 0 | 907 | 9875 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H1 | DISTRICT NAME HUNTINGTON | DIVISION NAME OHIO RIVER | | | | | | MONTHS REPORTED | | | | | | |
|------------------------------|-----------------------------|-----------------------------|----------------|----------------|----------------|---------------|-----------------|-------------------|-----------------|-----------------|-----------------|----------------------------|------|--|
| | | 1/84 | | | 2/84 | | | 3/84 | | | | | | |
| RIVER/LOCK NAME | TONS | VESSL RECRN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS CARRIER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (NAV, DPM, ETC) | | |
| OHIO RIVER | | | | | | | | | | | | | | |
| BELLEVILLE LOCKS & DAM AUX 1 | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 16 | 0 | 1 | 17 | 19 | 26 | 45 | 18 | 0 | 2 | 20 | | 31 | |
| DOWNBOUND STATISTICS | 51 | 2 | 4 | 57 | 108 | 53 | 161 | 57 | 0 | 3 | 60 | | 70 | |
| TOTALS | 67 | 2 | 5 | 74 | 127 | 79 | 206 | 75 | 0 | 5 | 80 | | 102 | |
| RACINE LOCKS & DAM | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 479 | 0 | 4 | 483 | 893 | 4308 | 5201 | 482 | 0 | 3 | 485 | | 6155 | |
| DOWNBOUND STATISTICS | 453 | 0 | 6 | 459 | 2510 | 2529 | 5039 | 455 | 0 | 5 | 460 | | 3755 | |
| TOTALS | 932 | 0 | 10 | 942 | 3403 | 6837 | 10240 | 937 | 0 | 8 | 945 | | 9911 | |
| RACINE LOCKS & DAM AUX 1 | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 18 | 0 | 3 | 21 | 22 | 29 | 51 | 21 | 0 | 3 | 24 | | 35 | |
| DOWNBOUND STATISTICS | 43 | 0 | 8 | 51 | 101 | 48 | 149 | 52 | 0 | 2 | 54 | | 59 | |
| TOTALS | 61 | 0 | 11 | 72 | 123 | 77 | 200 | 73 | 0 | 5 | 78 | | 94 | |
| GALLIPOLIS LOCKS & DAM | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 496 | 0 | 28 | 524 | 758 | 3872 | 4630 | 818 | 0 | 4 | 822 | | 5738 | |
| DOWNBOUND STATISTICS | 499 | 0 | 43 | 532 | 2507 | 2124 | 4631 | 827 | 0 | 6 | 833 | | 3098 | |
| TOTALS | 985 | 0 | 71 | 1056 | 3265 | 5996 | 9261 | 1645 | 0 | 10 | 1655 | | 8836 | |
| GALLIPOLIS LOCKS & DAM AUX 1 | XXX | ONLY | THIRD | MONTH | REPORTED | | | | | | | | | |
| UPBOUND STATISTICS | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | | 0 | |
| DOWNBOUND STATISTICS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| TOTALS | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | | 0 | |
| GREENUP LOCKS & DAM | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 475 | 0 | 20 | 493 | 2939 | 1633 | 4572 | 483 | 0 | 1 | 484 | | 2496 | |
| DOWNBOUND STATISTICS | 495 | 0 | 22 | 517 | 750 | 3940 | 4590 | 505 | 0 | 0 | 505 | | 5803 | |
| TOTALS | 970 | 0 | 42 | 1012 | 3689 | 5473 | 9162 | 988 | 0 | 1 | 989 | | 8299 | |
| GREENUP LOCKS & DAM AUX 1 | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 93 | 52 | 62 | 207 | 196 | 50 | 246 | 154 | 32 | 0 | 186 | | 73 | |
| DOWNBOUND STATISTICS | 66 | 28 | 69 | 163 | 96 | 41 | 137 | 134 | 19 | 0 | 153 | | 60 | |
| TOTALS | 159 | 80 | 131 | 370 | 292 | 91 | 383 | 288 | 51 | 0 | 339 | | 133 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H1 | DISTRICT NAME HUNTINGTON | DIVISION NAME OHIO RIVER | | | | | | MONTHS REPORTED | | | | | | |
|-------------------------------|-----------------------------|-----------------------------|----------------|----------------|----------------|---------------|-----------------|------------------|-----------------|-----------------|-----------------|---------------------------------------|--|--|
| | | 1/84 | | | 2/84 | | | 3/84 | | | | | | |
| RIVER/LOCK NAME | TONS | VESSL RECRN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS CONNER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | | |
| OHIO RIVER | | | | | | | | | | | | | | |
| CAPT ANT MELDAHL LOCKS & DAM | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 481 | 0 | 7 | 488 | 2739 | 2061 | 4800 | 483 | 0 | 0 | 483 | 3192 | | |
| DOWNBOUND STATISTICS | 461 | 1 | 10 | 472 | 773 | 3864 | 4637 | 462 | 0 | 0 | 462 | 5929 | | |
| TOTALS | 942 | 1 | 17 | 960 | 3512 | 5925 | 9437 | 945 | 0 | 0 | 945 | 9121 | | |
| CAPT ANT MELDAHL LK&DAM AUX 1 | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 18 | 10 | 2 | 30 | 15 | 35 | 50 | 21 | 7 | 0 | 28 | 54 | | |
| DOWNBOUND STATISTICS | 28 | 9 | 9 | 46 | 67 | 19 | 86 | 39 | 7 | 1 | 47 | 24 | | |
| TOTALS | 46 | 19 | 11 | 76 | 82 | 54 | 136 | 60 | 14 | 1 | 75 | 78 | | |
| WILLOW ISLAND LOCKS & DAM | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 470 | 1 | 12 | 483 | 975 | 3974 | 4949 | 477 | 0 | 0 | 477 | 5574 | | |
| DOWNBOUND STATISTICS | 458 | 1 | 11 | 470 | 2290 | 2570 | 4860 | 467 | 0 | 1 | 468 | 3779 | | |
| TOTALS | 928 | 2 | 23 | 953 | 3265 | 6544 | 9809 | 944 | 0 | 1 | 945 | 9353 | | |
| WILLOW ISLAND LOCKS & DAM AUX | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 39 | 0 | 16 | 55 | 57 | 34 | 91 | 56 | 0 | 0 | 56 | 46 | | |
| DOWNBOUND STATISTICS | 57 | 0 | 16 | 73 | 89 | 58 | 147 | 73 | 0 | 1 | 74 | 62 | | |
| TOTALS | 96 | 0 | 32 | 128 | 146 | 92 | 238 | 129 | 0 | 1 | 130 | 108 | | |

TABLE 3

 PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H1 | DISTRICT NAME HUNTINGTON | DIVISION NAME OHIO RIVER | MONTHS REPORTED | | | | | | | | | | | | | |
|--------------------------------|-----------------------------|-----------------------------|-----------------|-------|----------------------|---------|------|-----|---------|--------|--------|--------|-------------|-----|--------|-------|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | | | |
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | |
| | | | APPROACH | ENTRY | LOCK PROCESSING TIME | CHAMFER | EXIT | : | DELAYED | DELAY | DELAY | TIME | Avg | Max | | |
| | | | MIN | AVG | MAX | MIN | AVG | MAX | TOWS | (TOWS) | (TOWS) | (TOWS) | (ALL VSSLS) | | | |
| KANAWHA RIVER | | | | | | | | | | | | | | | | |
| WINFIELD LOCKS & DAM MAIN 1 | 1 | 10 | 90 | 1 | 5 | 32 | 4 | 9 | 33 | 3 | 12 | 50 | : | 318 | 48217 | 151.6 |
| WINFIELD LOCKS & DAM MAIN 2 | 1 | 10 | 72 | 1 | 4 | 42 | 5 | 9 | 30 | 2 | 11 | 306 | : | 192 | 25271 | 131.6 |
| MARMET LOCKS & DAM MAIN 1 | 1 | 10 | 87 | 2 | 5 | 22 | 5 | 8 | 18 | 2 | 10 | 38 | : | 97 | 7274 | 75.0 |
| MARMET LOCKS & DAM MAIN 2 | 1 | 10 | 70 | 1 | 4 | 20 | 5 | 6 | 21 | 2 | 8 | 30 | : | 61 | 4792 | 78.6 |
| LONDON LOCKS & DAM MAIN 1 | 1 | 9 | 42 | 1 | 4 | 11 | 6 | 9 | 17 | 3 | 6 | 19 | : | 15 | 1918 | 127.9 |
| LONDON LOCKS & DAM MAIN 2 | 1 | 8 | 47 | 1 | 5 | 16 | 5 | 8 | 20 | 3 | 7 | 27 | : | 51 | 11458 | 224.7 |
| OHIO RIVER | | | | | | | | | | | | | | | | |
| BELLEVILLE LOCKS & DAM | 1 | 18 | 58 | 2 | 9 | 25 | 8 | 12 | 40 | 2 | 8 | 31 | : | 356 | 15051 | 42.3 |
| BELLEVILLE LOCKS & DAM AUX 1 | 1 | 17 | 42 | 1 | 5 | 18 | 10 | 12 | 29 | 2 | 5 | 15 | : | 3 | 84 | 28.0 |
| RACINE LOCKS & DAM | 1 | 19 | 702 | 2 | 11 | 70 | 7 | 10 | 51 | 3 | 10 | 36 | : | 380 | 35285 | 92.9 |
| RACINE LOCKS & DAM AUX 1 | 1 | 13 | 38 | 3 | 7 | 17 | 10 | 11 | 25 | 4 | 7 | 17 | : | 3 | 61 | 20.3 |
| GALLIPOLIS LOCKS & DAM | 1 | 10 | 79 | 2 | 11 | 52 | 5 | 10 | 50 | 1 | 18 | 114 | : | 751 | 163364 | 217.5 |
| GALLIPOLIS LOCKS & DAM AUX 1 | 2 | 2 | 2 | 3 | 3 | 3 | 9 | 9 | 9 | 3 | 3 | 3 | : | 0 | 0 | 0 |
| GREENUP LOCKS & DAM | 1 | 15 | 86 | 3 | 9 | 38 | 5 | 11 | 38 | 1 | 9 | 25 | : | 302 | 11952 | 39.6 |
| GREENUP LOCKS & DAM AUX 1 | 1 | 10 | 37 | 1 | 5 | 17 | 6 | 10 | 21 | 1 | 5 | 15 | : | 6 | 84 | 14.0 |
| CAPT ANT MELDAHL LOCKS & DAM | 1 | 19 | 56 | 2 | 10 | 45 | 6 | 13 | 35 | 2 | 11 | 34 | : | 406 | 33156 | 81.7 |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC H1 | DISTRICT NAME HUNTINGTON | DIVISION NAME OHIO RIVER | MONTHS REPORTED 1/84 | MONTHS REPORTED 2/84 | MONTHS REPORTED 3/84 | | | | | | | | | | | | |
|--------------------------------|-----------------------------|-----------------------------|-------------------------|-------------------------|-------------------------|----|---|----|----|---|---|----|---|-----|-------|------|-----|
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | | |
| | APPROACH | LOCK PROCESSING TIME | EXIT | DELAYED DELAY | DELAY | | | | | | | | | | | | |
| | ENTRY | CHAMBER | TIME | TOWS | Avg | | | | | | | | | | | | |
| | MIN : MIN | MIN : MIN | MIN : MIN | (TOWS) | (TOWS) | | | | | | | | | | | | |
| | AVG : AVG | MAX : MAX | Avg | (TOWS) | Max | | | | | | | | | | | | |
| | MIN : MAX | MAX : MAX | MAX | (ALL VSSLS) | | | | | | | | | | | | | |
| OHIO RIVER | | | | | | | | | | | | | | | | | |
| CAPT ANT MELDAHL LK&DAM AUX | 1 | 13 | 37 | 1 | 4 | 12 | 8 | 13 | 22 | 1 | 6 | 18 | : | 1 | 35 | 35.0 | 35 |
| WILLOW ISLAND LOCKS & DAM | 1 | 14 | 45 | 1 | 8 | 20 | 5 | 14 | 30 | 1 | 9 | 26 | : | 331 | 14606 | 44.1 | 399 |
| WILLOW ISLAND LOCKS & DAM AU | 2 | 12 | 30 | 1 | 4 | 12 | 7 | 13 | 23 | 1 | 6 | 16 | : | 6 | 129 | 21.5 | 38 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H2 | DISTRICT NAME LOUISVILLE | DIVISION NAME OHIO RIVER | MONTHS REPORTED 1/84 | MONTHS REPORTED 2/84 | MONTHS REPORTED 3/84 |
|--------------------|-------------------------------|-----------------------------|--------------------------|-------------------------|-------------------------|
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| GREEN/BARREN RIVER | 21-LOCK & DAM 1 | | 0600/0084/12.0 | | |
| | 22-LOCK & DAM 2 | | 0600/0084/12.0 | | |
| | 23-LOCK & DAM 3 | | 0138/0036/12.0 | | |
| OHIO RIVER | 41-MARLLAND LOCKS & DAM | | 1200/0110/12.0 | | |
| | 41-MARLLAND LOCKS & DAM AUX 1 | | 0600/0110/12.0 | | |
| | 42-MCALPINE LOCKS & DAM | | 1200/0110/12.0 | | |
| | 42-MCALPINE LOCKS & DAM AUX 1 | | 0600/0110/12.0 | | |
| | 50-LOCK & DAM 50 | | 0600/0110/12.0 | | |
| | 51-LOCK & DAM 51 | | 0600/0110/12.0 | | |
| | 52-LOCK & DAM 52 | | 1200/0110/12.0 | | |
| | 52-LOCK & DAM 52 AUX 1 | | 0600/0110/12.0 | | |
| | 53-LOCK & DAM 53 | | 0600/0110/12.0 | | |
| | 75-CANNELTON LOCK & DAM | | 1200/0110/12.0 | | |
| | 75-CANNELTON LOCK & DAM AUX | | 0600/0110/12.0 | | |
| | 76-NEWBURGH LOCK & DAM | | 1200/0110/12.0 | | |
| | 76-NEWBURGH LOCK & DAM AUX 1 | | 0600/0110/12.0 | | |
| | 77-UNIONTOWN LOCK & DAM | | 1200/0110/12.0 | | |
| | 77-UNIONTOWN LOCK & DAM AUX 1 | | 0600/0110/12.0 | | |
| | 78-SMITHLAND LOCK & DAM | | 1200/0110/12.0 | | |
| | 78-SMITHLAND LOCK & DAM AUX 1 | | 1200/0110/12.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

TABLE 2

 PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H2 | DISTRICT NAME LOUISVILLE | DIVISION NAME OHIO RIVER | | | | | | MONTHS REPORTED | | | | | |
|---------------------------|-----------------------------|--------------------------------|----------------|----------------|----------------|---------------|-----------------|------------------|-----------------|-----------------|-----------------|--------------------|--|
| | | 1/84 | | | 2/84 | | | 3/84 | | | | | |
| RIVER/LOCK NAME | TOWS | VESSL RECRN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) | |
| OHIO RIVER | | | | | | | | | | | | | |
| LOCK & DAM 50 | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| LOCK & DAM 51 | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| LOCK & DAM 52 | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 998 | 0 | 140 | 1138 | 4844 | 4414 | 9258 | 106 | 0 | 952 | 1058 | 6848 | |
| DOWNBOUND STATISTICS | 1022 | 0 | 125 | 1147 | 2618 | 6802 | 9420 | 113 | 0 | 1004 | 1117 | 9882 | |
| TOTALS | 2020 | 0 | 265 | 2285 | 7462 | 11216 | 18678 | 219 | 0 | 1956 | 2175 | 16731 | |
| LOCK & DAM 52 AUX 1 | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| LOCK & DAM 53 | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | |
| CANNELTON LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 526 | 2 | 5 | 533 | 1575 | 3566 | 5141 | 529 | 0 | 0 | 529 | 5508 | |
| DOWNBOUND STATISTICS | 490 | 0 | 11 | 501 | 1338 | 3538 | 4876 | 495 | 0 | 1 | 496 | 5098 | |
| TOTALS | 1016 | 2 | 16 | 1034 | 2913 | 7104 | 10017 | 1024 | 0 | 1 | 1025 | 10606 | |
| CANNELTON LOCK & DAM AUX | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 18 | 0 | 6 | 24 | 45 | 14 | 59 | 22 | 0 | 1 | 23 | 21 | |
| DOWNBOUND STATISTICS | 39 | 2 | 8 | 49 | 64 | 57 | 121 | 46 | 0 | 1 | 47 | 81 | |
| TOTALS | 57 | 2 | 14 | 73 | 109 | 71 | 180 | 68 | 0 | 2 | 70 | 102 | |
| NEWBURGH LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 616 | 2 | 21 | 639 | 2234 | 3418 | 5652 | 617 | 0 | 0 | 617 | 5368 | |
| DOWNBOUND STATISTICS | 603 | 2 | 26 | 631 | 1654 | 3915 | 5569 | 609 | 0 | 3 | 612 | 5639 | |
| TOTALS | 1219 | 4 | 47 | 1270 | 3888 | 7333 | 11221 | 1226 | 0 | 3 | 1229 | 11007 | |
| NEWBURGH LOCK & DAM AUX 1 | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 59 | 12 | 48 | 119 | 39 | 116 | 155 | 83 | 6 | 4 | 93 | 180 | |
| DOWNBOUND STATISTICS | 66 | 10 | 47 | 123 | 130 | 26 | 156 | 89 | 4 | 1 | 94 | 37 | |
| TOTALS | 125 | 22 | 95 | 242 | 169 | 142 | 311 | 172 | 10 | 5 | 187 | 218 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H2 | DISTRICT NAME LOUISVILLE | DIVISION NAME OHIO RIVER | | | | | | MONTHS REPORTED | | | | | | | | |
|----------------------------|-----------------------------|-----------------------------|------------------|-----------------|-----------------|-----------------|----------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------------------------|------|--|--|
| | | | | | | | | 1/84 | | | 2/84 | | | 3/84 | | |
| RIVER/LOCK NAME | | TOWS | VESSEL RECRDN | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGS COMMER | LOCKGS RECRDN | LOCKGS OTHER | LOCKGS TOTAL | TONNAGE (KTONS) (NAV, DPN, ETC) | | | |
| OHIO RIVER | | | | | | | | | | | | | | | | |
| UNIONTOWN LOCK & DAM | | XXX | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 702 | 4 | 9 | 715 | 4264 | 2984 | 7248 | 704 | 3 | 2 | 709 | 4766 | | | |
| DOWNBOUND STATISTICS | | 702 | 8 | 10 | 720 | 1268 | 5926 | 7194 | 705 | 6 | 0 | 711 | 8882 | | | |
| TOTALS | | 1404 | 12 | 19 | 1435 | 5532 | 8910 | 14442 | 1409 | 9 | 2 | 1420 | 13648 | | | |
| UNIONTOWN LOCK & DAM AUX 1 | | XXX | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 28 | 54 | 29 | 111 | 47 | 14 | 61 | 44 | 51 | 1 | 96 | 25 | | | |
| DOWNBOUND STATISTICS | | 18 | 49 | 24 | 91 | 22 | 14 | 36 | 31 | 46 | 3 | 80 | 19 | | | |
| TOTALS | | 46 | 103 | 53 | 202 | 69 | 28 | 97 | 75 | 97 | 4 | 176 | 44 | | | |
| SMITHLAND LOCK & DAM | | XXX | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 114 | 0 | 15 | 129 | 724 | 278 | 1002 | 127 | 0 | 0 | 127 | 475 | | | |
| DOWNBOUND STATISTICS | | 698 | 0 | 26 | 724 | 991 | 6087 | 7078 | 709 | 0 | 5 | 714 | 9277 | | | |
| TOTALS | | 812 | 0 | 41 | 853 | 1715 | 6345 | 8090 | 836 | 0 | 5 | 841 | 9753 | | | |
| SMITHLAND LOCK & DAM AUX 1 | | XXX | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 690 | 5 | 32 | 727 | 4572 | 2525 | 7097 | 710 | 1 | 4 | 715 | 4022 | | | |
| DOWNBOUND STATISTICS | | 123 | 3 | 13 | 139 | 313 | 870 | 1183 | 132 | 3 | 2 | 137 | 1349 | | | |
| TOTALS | | 813 | 8 | 45 | 866 | 4885 | 3395 | 8280 | 842 | 4 | 6 | 852 | 5371 | | | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC H2 | DISTRICT NAME LOUISVILLE | DIVISION NAME OHIO RIVER | 1/84 | MONTHS REPORTED 2/84 | 3/84 | | | | | | | | | | | | | | | | | | |
|--------------------------------|--------------------------------|-----------------------------|------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|--|--|--|--|--|
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | | | | | | | | |
| APPROACH | LOCK PROCESSING TIME | | | : MIN | : AVG | : MAX | : MIN | : AVG | : MAX | : MIN | : AVG | : MAX | DELAY | DELAY | | | | | | | | | |
| | ENTRY | CHAMBER | EXIT | | | | | | | | | | TONS | TIME | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| GREEN/BARREN RIVER | | | | | | | | | | | | | | | | | | | | | | | |
| LOCK & DAM 1 | 1 | 4 | 15 | 1 | 2 | 10 | 1 | 6 | 20 | 1 | 4 | 62 | : | 90 | 1588 | 17.6 | 50 | | | | | | |
| LOCK & DAM 2 | 1 | 4 | 34 | 1 | 3 | 25 | 1 | 11 | 47 | 1 | 4 | 15 | : | 96 | 1960 | 20.4 | 70 | | | | | | |
| LOCK & DAM 3 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | | | | | | | |
| OHIO RIVER | | | | | | | | | | | | | | | | | | | | | | | |
| MARKLAND LOCKS & DAM | 1 | 21 | 108 | 2 | 8 | 29 | 3 | 13 | 40 | 2 | 9 | 65 | : | 433 | 27324 | 63.1 | 751 | | | | | | |
| MARKLAND LOCKS & DAM AUX 1 | 1 | 17 | 59 | 1 | 4 | 10 | 7 | 13 | 53 | 1 | 7 | 13 | : | 4 | 129 | 32.3 | 59 | | | | | | |
| MCALPINE LOCKS & DAM | 1 | 18 | 84 | 1 | 9 | 31 | 5 | 11 | 65 | 1 | 8 | 69 | : | 549 | 44316 | 80.7 | 792 | | | | | | |
| MCALPINE LOCKS & DAM AUX 1 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | | | | | | | |
| LOCK & DAM 50 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | | | | | | | |
| LOCK & DAM 51 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | | | | | | | |
| LOCK & DAM 52 | 1 | 4 | 107 | 1 | 2 | 42 | 1 | 3 | 66 | 1 | 4 | 30 | : | 216 | 70054 | 324.3 | 1105 | | | | | | |
| LOCK & DAM 52 AUX 1 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | | | | | | | |
| LOCK & DAM 53 | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | | | | | | | |
| CANNELTON LOCK & DAM | 1 | 24 | 120 | 2 | 7 | 30 | 5 | 10 | 40 | 2 | 8 | 40 | : | 459 | 30987 | 67.5 | 433 | | | | | | |
| CANNELTON LOCK & DAM AUX | 5 | 26 | 73 | 2 | 5 | 15 | 5 | 11 | 30 | 2 | 5 | 45 | : | 1 | 255 | 255.0 | 255 | | | | | | |
| NEWBURGH LOCK & DAM | 1 | 15 | 94 | 1 | 8 | 30 | 5 | 7 | 50 | 2 | 10 | 49 | : | 505 | 25842 | 51.2 | 775 | | | | | | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC H2 | DISTRICT NAME LOUISVILLE | DIVISION NAME OHIO RIVER | 1/84 | MONTHS REPORTED 2/84 | 3/84 | | | | | | | | | | | | |
|--------------------------------|-----------------------------|-----------------------------|----------------------|-------------------------|------|-----|-----------------|-----|-----|-----|-----|--------|--------|-------------|-------|-------|------|
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | | |
| APPROACH | | | LOCK PROCESSING TIME | | | | : DELAYED DELAY | | | | | DELAY | DELAY | | | | |
| MIN | AVG | MAX | MIN | Avg | MAX | MIN | Avg | MAX | MIN | Avg | MAX | (TOWS) | (TOWS) | (ALL VSSLs) | | | |
| OHIO RIVER | | | | | | | | | | | | | | | | | |
| NEWBURGH LOCK & DAM AUX 1 | 1 | 13 | 73 | 1 | 4 | 15 | 5 | 7 | 19 | 1 | 8 | 30 | : | 4 | 77 | 19.3 | 40 |
| UNIONTOWN LOCK & DAM | 1 | 18 | 95 | 1 | 7 | 30 | 5 | 9 | 52 | 1 | 7 | 73 | : | 707 | 52630 | 74.4 | 1361 |
| UNIONTOWN LOCK & DAM AUX 1 | 1 | 7 | 40 | 1 | 2 | 17 | 5 | 9 | 24 | 1 | 2 | 14 | : | 2 | 33 | 16.5 | 38 |
| SMITHLAND LOCK & DAM | 1 | 17 | 85 | 1 | 9 | 30 | 5 | 10 | 65 | 2 | 8 | 35 | : | 152 | 16927 | 111.4 | 805 |
| SMITHLAND LOCK & DAM AUX 1 | 1 | 13 | 55 | 1 | 9 | 30 | 5 | 10 | 70 | 2 | 8 | 65 | : | 132 | 11609 | 87.9 | 715 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|------------------|------------------------------|---------------|--------------------------|------|------|
| H3 | NASHVILLE | OHIO RIVER | 1/84 | 2/84 | 3/84 |
| <hr/> | | | | | |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| CLINCH RIVER | 11-MELTON HILL LOCK | | 0400/0075/11.0 | | |
| CUMBERLAND RIVER | 21-BARKLEY LOCK | | 0800/0110/11.0 | | |
| | 22-CHEATHAM LOCK | | 0800/0110/11.0 | | |
| | 23-CORDELL HULL LOCK | | 0400/0084/11.0 | | |
| | 24-OLD HICKORY LOCK | | 0400/0084/11.0 | | |
| TENNESSEE RIVER | 01-KENTUCKY LOCK | | 0600/0110/11.0 | | |
| | 02-PICKWICK LANDING LOCK | | 1000/0110/11.0 | | |
| | 02-PICKWICK LANDING LOCK AUX | | 0600/0110/11.0 | | |
| | 03-WILSON LOCK | | 0600/0110/11.0 | | |
| | 03-WILSON LOCK AUX | | 0292/0060/11.0 | | |
| | 04-GEN JOS WHEELER LOCK | | 0600/0110/11.0 | | |
| | 04-GEN JOS WHEELER LK | AUX1 | 0400/0060/11.0 | | |
| | 05-GUNTERSVILLE LOCK | | 0600/0110/11.0 | | |
| | 05-GUNTERSVILLE LOCK | AUX 1 | 0360/0060/11.0 | | |
| | 06-NICKAJAC LOCK | | 0600/0110/11.0 | | |
| | 07-CHICKAMAUGA LOCK | | 0360/0060/11.0 | | |
| | 08-WATTS BAR LOCK | | 0360/0060/11.0 | | |
| | 09-FORT LOUDON LOCK | | 0360/0060/11.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H3 | DISTRICT NAME NASHVILLE | DIVISION NAME OHIO RIVER | | MONTHS REPORTED | | | | | | | | | |
|-------------------------|----------------------------|-----------------------------|----------------|-----------------|----------------|---------------|-----------------|------------------|-----------------|-----------------|-----------------|--------------------|--|
| | | | | | | 1/84 | | 2/84 | | 3/84 | | | |
| RIVER/LOCK NAME | TOWS | VESSL RECRN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS CONVER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) | |
| CLINCH RIVER | | | | | | | | | | | | | |
| MELTON HILL LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 2 | 2 | 1 | 5 | 0 | |
| DOWNBOUND STATISTICS | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 2 | 2 | 1 | 5 | 0 | |
| TOTALS | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 4 | 4 | 2 | 10 | 0 | |
| CUMBERLAND RIVER | | | | | | | | | | | | | |
| BARKLEY LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 42 | 3 | 0 | 45 | 32 | 222 | 254 | 43 | 1 | 3 | 47 | 324 | |
| DOWNBOUND STATISTICS | 75 | 6 | 1 | 82 | 638 | 45 | 683 | 100 | 6 | 1 | 107 | 59 | |
| TOTALS | 117 | 9 | 1 | 127 | 670 | 267 | 937 | 143 | 7 | 4 | 154 | 383 | |
| CHEATHAM LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 89 | 3 | 1 | 93 | 26 | 438 | 464 | 92 | 3 | 2 | 97 | 666 | |
| DOWNBOUND STATISTICS | 89 | 3 | 3 | 95 | 419 | 56 | 475 | 97 | 3 | 3 | 103 | 72 | |
| TOTALS | 178 | 6 | 4 | 188 | 445 | 494 | 939 | 189 | 6 | 5 | 200 | 738 | |
| CORDELL HULL LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 9 | 0 | 2 | 11 | 25 | 1 | 26 | 13 | 0 | 2 | 15 | 0 | |
| DOWNBOUND STATISTICS | 14 | 1 | 0 | 15 | 3 | 26 | 29 | 15 | 1 | 2 | 18 | 36 | |
| TOTALS | 23 | 1 | 2 | 26 | 28 | 27 | 55 | 28 | 1 | 4 | 33 | 37 | |
| OLD HICKORY LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 34 | 34 | 14 | 82 | 11 | 50 | 61 | 52 | 35 | 6 | 93 | 109 | |
| DOWNBOUND STATISTICS | 32 | 34 | 21 | 87 | 64 | 8 | 72 | 59 | 38 | 11 | 108 | 9 | |
| TOTALS | 66 | 68 | 35 | 169 | 75 | 58 | 133 | 111 | 73 | 17 | 201 | 118 | |
| TENNESSEE RIVER | | | | | | | | | | | | | |
| KENTUCKY LOCK | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 425 | 3 | 33 | 461 | 864 | 3286 | 4150 | 705 | 4 | 1 | 710 | 4951 | |
| DOWNBOUND STATISTICS | 391 | 6 | 45 | 442 | 2639 | 1119 | 3758 | 659 | 9 | 4 | 672 | 1532 | |
| TOTALS | 816 | 9 | 78 | 903 | 3503 | 4405 | 7908 | 1364 | 13 | 5 | 1382 | 6394 | |

TABLE 2

 PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H3 | DISTRICT NAME NASHVILLE | DIVISION NAME OHIO RIVER | | | | | | MONTHS REPORTED | | | | | | |
|---------------------------|----------------------------|--------------------------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------------|-------------------|------------------|------------------|--------------------|--|--|
| | | 1/84 | | | 2/84 | | | 3/84 | | | | | | |
| RIVER/LOCK NAME | TONS | VESSEL RECRDN | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGES COMMER | LCKGSES RECRDN | LCKGSES OTHER | LCKGSES TOTAL | TONNAGE (KTONS) | | |
| TENNESSEE RIVER | | | | | | | | | | | | | | |
| PICKWICK LANDING LOCK | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | |
| PICKWICK LANDING LOCK AUX | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 241 | 6 | 3 | 250 | 234 | 2283 | 2517 | 413 | 10 | 22 | 445 | 3294 | | |
| DOWNBOUND STATISTICS | 247 | 7 | 8 | 262 | 2197 | 454 | 2651 | 431 | 12 | 22 | 465 | 645 | | |
| TOTALS | 488 | 13 | 11 | 512 | 2431 | 2737 | 5168 | 844 | 22 | 44 | 910 | 3940 | | |
| WILSON LOCK | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 139 | 12 | 55 | 206 | 244 | 1035 | 1279 | 245 | 14 | 8 | 267 | 1492 | | |
| DOWNBOUND STATISTICS | 158 | 15 | 45 | 218 | 889 | 433 | 1322 | 267 | 15 | 9 | 291 | 593 | | |
| TOTALS | 297 | 27 | 100 | 424 | 1133 | 1468 | 2601 | 512 | 29 | 17 | 558 | 2085 | | |
| WILSON LOCK AUX | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | |
| GEN JOS WHEELER LOCK | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 127 | 16 | 3 | 146 | 219 | 995 | 1214 | 203 | 20 | 6 | 229 | 1399 | | |
| DOWNBOUND STATISTICS | 134 | 17 | 5 | 156 | 860 | 411 | 1271 | 212 | 15 | 7 | 234 | 559 | | |
| TOTALS | 261 | 33 | 8 | 302 | 1079 | 1406 | 2485 | 415 | 35 | 13 | 463 | 1958 | | |
| GEN JOS WHEELER LK | AUX1 | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 0 | 20 | 1 | 21 | 0 | 0 | 0 | 2 | 13 | 2 | 17 | 0 | | |
| DOWNBOUND STATISTICS | 0 | 19 | 0 | 19 | 0 | 0 | 0 | 1 | 18 | 1 | 20 | 0 | | |
| TOTALS | 0 | 39 | 1 | 40 | 0 | 0 | 0 | 3 | 31 | 3 | 37 | 0 | | |
| GUNTERSVILLE LOCK | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 131 | 49 | 2 | 182 | 340 | 774 | 1114 | 188 | 53 | 4 | 245 | 1104 | | |
| DOWNBOUND STATISTICS | 141 | 52 | 4 | 197 | 708 | 481 | 1189 | 201 | 51 | 4 | 256 | 639 | | |
| TOTALS | 272 | 101 | 6 | 379 | 1048 | 1255 | 2303 | 389 | 104 | 8 | 501 | 1744 | | |
| GUNTERSVILLE LOCK | AUX 1 | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 2 | 47 | 0 | 49 | 0 | 2 | 2 | 3 | 42 | 1 | 46 | 2 | | |
| DOWNBOUND STATISTICS | 1 | 40 | 0 | 41 | 1 | 0 | 1 | 1 | 30 | 1 | 32 | 0 | | |
| TOTALS | 3 | 87 | 0 | 90 | 1 | 2 | 3 | 4 | 72 | 2 | 78 | 2 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H3 | DISTRICT NAME NASHVILLE | DIVISION NAME OHIO RIVER | MONTHS REPORTED | | | | | | | | | | | |
|------------------------|----------------------------|-----------------------------|-----------------|-----------------|-----------------|----------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------------------------|--|--|
| | | | 1/84 | | | | 2/84 | | | | 3/84 | | | |
| RIVER/LOCK NAME | TONS | VESSEL RECRDN | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGS CONMER | LCKGES RECRDN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | | |
| TENNESSEE RIVER | | | | | | | | | | | | | | |
| NICKAJAC LOCK | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 134 | 5 | 10 | 149 | 338 | 616 | 954 | 186 | 6 | 4 | 196 | 837 | | |
| DOWNBOUND STATISTICS | 134 | 11 | 9 | 154 | 518 | 402 | 920 | 179 | 14 | 3 | 196 | 539 | | |
| TOTALS | 268 | 16 | 19 | 303 | 856 | 1018 | 1874 | 365 | 20 | 7 | 392 | 1376 | | |
| CHICKAMAUGA LOCK | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 51 | 21 | 5 | 77 | 38 | 254 | 292 | 183 | 64 | 94 | 341 | 335 | | |
| DOWNBOUND STATISTICS | 49 | 22 | 7 | 78 | 203 | 84 | 287 | 188 | 56 | 96 | 340 | 113 | | |
| TOTALS | 100 | 43 | 12 | 155 | 241 | 338 | 579 | 371 | 120 | 190 | 681 | 448 | | |
| WATTS BAR LOCK | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 38 | 14 | 3 | 55 | 57 | 117 | 174 | 130 | 46 | 16 | 192 | 162 | | |
| DOWNBOUND STATISTICS | 37 | 12 | 4 | 53 | 77 | 99 | 176 | 136 | 38 | 17 | 191 | 128 | | |
| TOTALS | 75 | 26 | 7 | 108 | 134 | 216 | 350 | 266 | 84 | 33 | 383 | 291 | | |
| FORT LOUDON LOCK | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 23 | 28 | 7 | 58 | 8 | 52 | 60 | 49 | 37 | 11 | 97 | 76 | | |
| DOWNBOUND STATISTICS | 26 | 33 | 5 | 64 | 44 | 29 | 73 | 54 | 46 | 10 | 110 | 38 | | |
| TOTALS | 49 | 61 | 12 | 122 | 52 | 81 | 133 | 103 | 83 | 21 | 207 | 115 | | |

TABLE 3

 PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H3 | DISTRICT NAME NASHVILLE | DIVISION NAME OHIO RIVER | MONTHS REPORTED | | | | | | | | | | | | | | | |
|--------------------------------|----------------------------|-----------------------------|--------------------------------|-------|----------------------|---------|------|-----|---------|-------|-------|--------|--------|-------------|-----|--------|-------|------|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | | | | | |
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | | | |
| | | | APPROACH | ENTRY | LOCK PROCESSING TIME | CHAMBER | EXIT | : | DELAYED | DELAY | DELAY | DELAY | | | | | | |
| | | | MIN | AVG | MAX | MIN | AVG | MAX | MIN | AVG | MAX | (TOMS) | (TOMS) | (ALL VSSLS) | | | | |
| CLINCH RIVER | | | | | | | | | | | | | | | | | | |
| MELTON HILL LOCK | | | 1 | 5 | 12 | 1 | 1 | 3 | 10 | 14 | 19 | 1 | 2 | 3 : | 0 | 0 | .0 | 0 |
| CUMBERLAND RIVER | | | | | | | | | | | | | | | | | | |
| BARKLEY LOCK | | | 1 | 15 | 60 | 1 | 10 | 26 | 6 | 15 | 26 | 1 | 11 | 32 : | 11 | 437 | 39.7 | 77 |
| CHEATHAM LOCK | | | 1 | 9 | 66 | 2 | 10 | 36 | 7 | 18 | 34 | 2 | 8 | 54 : | 23 | 6368 | 276.9 | 820 |
| CORDELL HULL LOCK | | | 1 | 8 | 63 | 1 | 10 | 49 | 15 | 20 | 36 | 2 | 11 | 62 : | 5 | 68 | 13.6 | 50 |
| OLD HICKORY LOCK | | | 1 | 4 | 25 | 1 | 5 | 32 | 6 | 16 | 36 | 1 | 6 | 49 : | 4 | 267 | 66.8 | 195 |
| TENNESSEE RIVER | | | | | | | | | | | | | | | | | | |
| KENTUCKY LOCK | | | 1 | 9 | 125 | 1 | 13 | 50 | 6 | 17 | 44 | 1 | 18 | 114 : | 601 | 134754 | 224.2 | 1140 |
| PICKWICK LANDING LOCK | | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | |
| PICKWICK LANDING LOCK AUX | | | 1 | 11 | 180 | 2 | 12 | 44 | 6 | 16 | 44 | 2 | 19 | 114 : | 268 | 58685 | 219.0 | 1225 |
| WILSON LOCK | | | 1 | 10 | 72 | 3 | 14 | 90 | 11 | 24 | 81 | 1 | 17 | 138 : | 100 | 11234 | 112.3 | 398 |
| WILSON LOCK AUX | | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | |
| GEN JOS WHEELER LOCK | | | 1 | 14 | 98 | 2 | 13 | 47 | 6 | 14 | 109 | 3 | 18 | 69 : | 74 | 7828 | 105.8 | 1087 |
| GEN JOS WHEELER LK | AUX | 1 | 10 | 28 | 2 | 4 | 11 | 10 | 12 | 15 | 2 | 5 | 11 : | 0 | 0 | .0 | 90 | |
| GUNTERSVILLE LOCK | | | 1 | 10 | 139 | 1 | 11 | 65 | 10 | 15 | 40 | 1 | 16 | 131 : | 50 | 3892 | 77.8 | 557 |
| GUNTERSVILLE LOCK | AUX | 1 | 3 | 15 | 1 | 2 | 14 | 10 | 13 | 26 | 1 | 2 | 5 : | 0 | 0 | .0 | 19 | |
| NICKAJAC LOCK | | | 1 | 10 | 68 | 2 | 12 | 39 | 10 | 14 | 25 | 3 | 13 | 44 : | 45 | 2892 | 64.3 | 167 |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC N3 | DISTRICT NAME NASHVILLE | DIVISION NAME OHIO RIVER | MONTHS REPORTED | | | | | | | | | | | | | | |
|------------------|----------------------------|-----------------------------|-----------------|--------------------------------|------|-------|-------|-------|--------|--------|--------|--------|-----|-----|-------------|-------|------|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | | | | |
| APPROACH | LOCK PROCESSING TIME | | | ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | |
| | ENTRY | CHAMBER | EXIT | : TONS | TIME | DELAY | DELAY | DELAY | (TONS) | (TONS) | (TONS) | (TONS) | Avg | Max | (ALL VSSLS) | | |
| | MIN | Avg | MAX | MIN | Avg | MAX | MIN | Avg | MAX | MIN | Avg | MAX | | | | | |
| TENNESSEE RIVER | | | | | | | | | | | | | | | | | |
| CHICKAMAUGA LOCK | 1 | 6 | 125 | 1 | 5 | 33 | 6 | 12 | 70 | 1 | 9 | 49 | : | 34 | 16491 | 485.0 | 1878 |
| HATTS BAR LOCK | 1 | 9 | 70 | 1 | 6 | 23 | 12 | 17 | 78 | 1 | 12 | 78 | : | 12 | 1672 | 139.3 | 455 |
| FORT LOUDON LOCK | 1 | 11 | 66 | 1 | 4 | 18 | 7 | 20 | 32 | 1 | 9 | 96 | : | 9 | 995 | 110.6 | 491 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC N4 | DISTRICT NAME PITTSBURGH | DIVISION NAME OHIO RIVER | MONTHS REPORTED | | |
|-------------------|----------------------------------|-----------------------------|--------------------------|------|------|
| | | | 1/84 | 2/84 | 3/84 |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| ALLEGHENY RIVER | 42-LOCK & DAM 2 | | 0360/0056/13.0 | | |
| | 43-LOCK & DAM 3 | | 0360/0056/13.0 | | |
| | 44-LOCK & DAM 4 | | 0360/0056/13.0 | | |
| | 45-LOCK & DAM 5 | | 0360/0056/13.0 | | |
| | 46-LOCK & DAM 6 | | 0360/0056/13.0 | | |
| | 47-LOCK & DAM 7 | | 0360/0056/13.0 | | |
| | 48-LOCK & DAM 8 | | 0360/0056/13.0 | | |
| | 49-LOCK & DAM 9 | | 0360/0056/13.0 | | |
| MONONGAHELA RIVER | 22-LOCK & DAM 2 | | 0720/0110/13.0 | | |
| | 22-LOCK & DAM 2 AUX 1 | | 0360/0056/13.0 | | |
| | 23-LOCK & DAM 3 | | 0720/0056/13.0 | | |
| | 23-LOCK & DAM 3 AUXILIARY 1 | | 0360/0056/13.0 | | |
| | 24-LOCK & DAM 4 | | 0720/0056/13.0 | | |
| | 24-LOCK & DAM 4 AUXILIARY 1 | | 0360/0056/13.0 | | |
| | 25-MAXWELL LOCK & DAM | | 0720/0084/13.0 | | |
| | 25-MAXWELL LOCK & DAM AUX 1 | | 0720/0084/13.0 | | |
| | 27-LOCK & DAM 7 | | 0360/0056/13.0 | | |
| | 28-LOCK & DAM 8 | | 0360/0056/13.0 | | |
| | 29-MORGANTOWN LOCK & DAM | | 0600/0084/13.0 | | |
| | 30-HILDEBRAND LOCK & DAM | | 0600/0084/13.0 | | |
| | 31-OPENKISKA LOCK & DAM | | 0600/0084/13.0 | | |
| OHIO RIVER | 01-ENSWORTH LOCK & DAM | | 0600/0110/13.0 | | |
| | 01-ENSWORTH LOCK & DAM AUX 1 | | 0360/0056/13.0 | | |
| | 02-DASHIELDS LOCK & DAM | | 0600/0110/13.0 | | |
| | 02-DASHIELDS LOCK & DAM AUX 1 | | 0360/0056/13.0 | | |
| | 03-MONTGOMERY LOCK & DAM | | 0600/0110/13.0 | | |
| | 03-MONTGOMERY LOCK & DAM AUX 1 | | 0360/0056/13.0 | | |
| | 04-NEW CUMBERLAND LOCK & DAM | | 1200/0110/13.0 | | |
| | 04-NEW CUMBERLAND LK & DAM AUX 1 | | 0600/0110/13.0 | | |
| | 05-PIKE ISLAND LOCK & DAM | | 1200/0110/13.0 | | |
| | 05-PIKE ISLAND LOCK & DAM AUX 1 | | 0600/0110/13.0 | | |
| | 71-HANNIBAL LOCKS & DAM | | 1200/0110/13.0 | | |
| | 71-HANNIBAL LOCKS & DAM AUX 1 | | 0600/0110/13.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H4 | DISTRICT NAME PITTSBURGH | DIVISION NAME OHIO RIVER | | MONTHS REPORTED | | | | | | | | | |
|------------------------|-----------------------------|--------------------------------------|----------------|-----------------|----------------|---------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------------------------|--|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | |
| RIVER/LOCK NAME | TOWS | VESSL RECRTN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRTN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, DPM, ETC) | |
| ALLEGHENY RIVER | | | | | | | | | | | | | |
| LOCK & DAM 2 | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 166 | 4 | 16 | 186 | 143 | 306 | 449 | 295 | 4 | 4 | 303 | 342 | |
| DOWNBOUND STATISTICS | 172 | 4 | 12 | 188 | 311 | 137 | 448 | 295 | 6 | 3 | 304 | 135 | |
| TOTALS | 338 | 8 | 28 | 374 | 454 | 443 | 897 | 590 | 10 | 7 | 607 | 477 | |
| LOCK & DAM 3 | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 155 | 1 | 17 | 173 | 129 | 300 | 429 | 278 | 1 | 4 | 283 | 331 | |
| DOWNBOUND STATISTICS | 167 | 1 | 10 | 178 | 314 | 135 | 449 | 290 | 1 | 3 | 294 | 136 | |
| TOTALS | 322 | 2 | 27 | 351 | 443 | 435 | 878 | 568 | 2 | 7 | 577 | 467 | |
| LOCK & DAM 4 | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 67 | 1 | 18 | 86 | 75 | 79 | 154 | 135 | 1 | 3 | 139 | 114 | |
| DOWNBOUND STATISTICS | 83 | 1 | 5 | 89 | 89 | 87 | 176 | 145 | 1 | 1 | 147 | 92 | |
| TOTALS | 150 | 2 | 23 | 175 | 164 | 166 | 330 | 280 | 2 | 4 | 286 | 206 | |
| LOCK & DAM 5 | XXX | ONLY FIRST AND THIRD MONTHS REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 1 | 0 | 3 | 4 | 6 | 1 | 7 | 5 | 0 | 1 | 6 | 0 | |
| DOWNBOUND STATISTICS | 6 | 0 | 0 | 6 | 5 | 6 | 11 | 6 | 0 | 0 | 6 | 3 | |
| TOTALS | 7 | 0 | 3 | 10 | 11 | 7 | 18 | 11 | 0 | 1 | 12 | 3 | |
| LOCK & DAM 6 | XXX | ONLY THIRD MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 1 | 0 | 1 | 2 | 6 | 1 | 7 | 2 | 0 | 1 | 3 | 0 | |
| DOWNBOUND STATISTICS | 1 | 0 | 0 | 1 | 0 | 3 | 3 | 1 | 0 | 0 | 1 | 1 | |
| TOTALS | 2 | 0 | 1 | 3 | 6 | 4 | 10 | 3 | 0 | 1 | 4 | 1 | |
| LOCK & DAM 7 | XXX | ONLY THIRD MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 1 | 0 | 1 | 2 | 6 | 1 | 7 | 2 | 0 | 2 | 4 | 0 | |
| DOWNBOUND STATISTICS | 1 | 0 | 0 | 1 | 0 | 3 | 3 | 1 | 0 | 0 | 1 | 1 | |
| TOTALS | 2 | 0 | 1 | 3 | 6 | 4 | 10 | 3 | 0 | 2 | 5 | 1 | |
| LOCK & DAM 8 | XXX | ONLY THIRD MONTH REPORTED | | | | | | | | | | | |
| UPBOUND STATISTICS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | |
| DOWNBOUND STATISTICS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTALS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| | | | | | | | | | | | |
|------------|-----------------------------|-----------------------------|------|--|--|--|-----------------|--|--|--|------|
| EROC H4 | DISTRICT NAME PITTSBURGH | DIVISION NAME OHIO RIVER | | | | | MONTHS REPORTED | | | | |
| | | | 1/84 | | | | 2/84 | | | | 3/84 |

ALLEGHENY RIVER

MONONGAHELA RIVER

| LOCK & DAM 2 | | XXX | | | | | | | | | | |
|----------------------|------|-----|----|------|------|------|------|------|---|---|------|------|
| UPBOUND STATISTICS | 530 | 0 | 12 | 542 | 1932 | 1439 | 3371 | 591 | 0 | 1 | 592 | 1935 |
| DOWNBOUND STATISTICS | 539 | 0 | 12 | 551 | 925 | 2479 | 3404 | 611 | 0 | 1 | 612 | 2591 |
| TOTALS | 1069 | 0 | 24 | 1093 | 2857 | 3918 | 6775 | 1202 | 0 | 2 | 1204 | 4526 |

| LOCK & DAM 2 AUX 1 | | XXX | | | | | | | | | | |
|----------------------|-----|-----|-----|-----|-----|----|-----|-----|---|---|-----|----|
| UPBOUND STATISTICS | 114 | 3 | 46 | 163 | 122 | 39 | 161 | 162 | 2 | 0 | 164 | 42 |
| DOWNBOUND STATISTICS | 79 | 3 | 76 | 158 | 54 | 49 | 103 | 158 | 2 | 0 | 160 | 55 |
| TOTALS | 193 | 6 | 122 | 321 | 176 | 88 | 264 | 320 | 4 | 0 | 324 | 98 |

| | | | | | | | | | | | | |
|----------------------|------|---|----|------|------|------|------|------|---|---|------|------|
| LOCK & DAM 3 | XXX | | | | | | | | | | | |
| UPBOUND STATISTICS | 899 | 0 | 6 | 905 | 3937 | 581 | 4518 | 900 | 0 | 0 | 900 | 700 |
| DOWNBOUND STATISTICS | 904 | 0 | 4 | 908 | 302 | 4230 | 4532 | 904 | 0 | 1 | 905 | 4198 |
| TOTALS | 1803 | 0 | 10 | 1813 | 4239 | 4811 | 9050 | 1804 | 0 | 1 | 1805 | 4899 |

| LOCK & DAM 3 AUXILIARY 1 | | XXX | | | | | | | | | | |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|---|---|-----|-----|
| UPBOUND STATISTICS | 151 | 0 | 109 | 260 | 184 | 45 | 229 | 261 | 0 | 1 | 262 | 53 |
| DOWNBOUND STATISTICS | 125 | 0 | 130 | 255 | 53 | 136 | 189 | 250 | 0 | 1 | 251 | 133 |
| TOTALS | 276 | 0 | 239 | 515 | 237 | 181 | 418 | 511 | 0 | 2 | 513 | 187 |

| LOCK & DAM 4 | | XXX | | | | | | | | | | |
|----------------------|------|-----|---|------|------|------|------|------|---|---|------|------|
| UPBOUND STATISTICS | 754 | 0 | 4 | 758 | 3547 | 474 | 4021 | 776 | 0 | 0 | 776 | 509 |
| DOWNBOUND STATISTICS | 790 | 0 | 4 | 794 | 201 | 3895 | 4096 | 797 | 0 | 1 | 798 | 3873 |
| TOTALS | 1544 | 0 | 8 | 1552 | 3748 | 4369 | 8117 | 1573 | 0 | 1 | 1574 | 4383 |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H4 | DISTRICT NAME PITTSBURGH | DIVISION NAME OHIO RIVER | MONTHS REPORTED | | | | | | | | | | | |
|--------------------------|-----------------------------|-----------------------------|-----------------|-----------------|-----------------|----------------|-----------------|-----------------|-------------------|-----------------|-----------------|----------------------------|--|--|
| | | | 1/84 | | | | 2/84 | | | | 3/84 | | | |
| RIVER/LOCK NAME | TONS | VESSEL RECRTRN | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGS CONMR | LOCKGS RECRTRN | LOCKGS OTHER | LOCKGS TOTAL | TONNAGE (NAV, OPN, ETC) | | |
| MONONGAHELA RIVER | | | | | | | | | | | | | | |
| LOCK & DAM 4 AUXILIARY 1 | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 54 | 2 | 64 | 120 | 97 | 5 | 102 | 119 | 2 | 2 | 123 | 4 | | |
| DOWNBOUND STATISTICS | 34 | 2 | 53 | 89 | 26 | 32 | 58 | 88 | 2 | 2 | 92 | 28 | | |
| TOTALS | 88 | 4 | 117 | 209 | 123 | 37 | 160 | 207 | 4 | 4 | 215 | 32 | | |
| MAXWELL LOCK & DAM | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 583 | 0 | 5 | 588 | 2822 | 372 | 3194 | 589 | 0 | 1 | 590 | 406 | | |
| DOWNBOUND STATISTICS | 197 | 0 | 7 | 204 | 77 | 950 | 1027 | 202 | 0 | 0 | 202 | 937 | | |
| TOTALS | 780 | 0 | 12 | 792 | 2899 | 1322 | 4221 | 791 | 0 | 1 | 792 | 1343 | | |
| MAXWELL LOCK & DAM AUX 1 | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 151 | 0 | 6 | 157 | 709 | 84 | 793 | 157 | 0 | 0 | 157 | 85 | | |
| DOWNBOUND STATISTICS | 541 | 0 | 3 | 544 | 144 | 2838 | 2982 | 544 | 0 | 3 | 547 | 2903 | | |
| TOTALS | 692 | 0 | 9 | 701 | 853 | 2922 | 3775 | 701 | 0 | 3 | 704 | 2988 | | |
| LOCK & DAM 7 | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 640 | 2 | 23 | 665 | 2537 | 399 | 2936 | 1194 | 3 | 3 | 1200 | 440 | | |
| DOWNBOUND STATISTICS | 627 | 2 | 35 | 664 | 248 | 2667 | 2915 | 1188 | 3 | 5 | 1196 | 2558 | | |
| TOTALS | 1267 | 4 | 58 | 1329 | 2785 | 3066 | 5851 | 2382 | 6 | 8 | 2396 | 2998 | | |
| LOCK & DAM 8 | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 571 | 0 | 15 | 586 | 2149 | 403 | 2552 | 1040 | 0 | 3 | 1043 | 449 | | |
| DOWNBOUND STATISTICS | 560 | 0 | 26 | 586 | 265 | 2291 | 2556 | 1049 | 0 | 3 | 1052 | 2218 | | |
| TOTALS | 1131 | 0 | 41 | 1172 | 2414 | 2694 | 5108 | 2089 | 0 | 6 | 2095 | 2648 | | |
| MORGANTOWN LOCK & DAM | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 44 | 7 | 7 | 58 | 147 | 12 | 159 | 53 | 6 | 0 | 59 | 7 | | |
| DOWNBOUND STATISTICS | 41 | 6 | 8 | 55 | 2 | 134 | 136 | 51 | 5 | 0 | 56 | 137 | | |
| TOTALS | 85 | 13 | 15 | 113 | 149 | 146 | 295 | 104 | 11 | 0 | 115 | 144 | | |
| HILDEBRAND LOCK & DAM | XXX | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 17 | 0 | 0 | 17 | 65 | 0 | 65 | 18 | 0 | 0 | 18 | 0 | | |
| DOWNBOUND STATISTICS | 16 | 0 | 1 | 17 | 3 | 60 | 63 | 18 | 0 | 0 | 18 | 66 | | |
| TOTALS | 33 | 0 | 1 | 34 | 68 | 60 | 128 | 36 | 0 | 0 | 36 | 66 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H4 | DISTRICT NAME PITTSBURGH | DIVISION NAME OHIO RIVER | MONTHS REPORTED | | | | | | | | | | | |
|----------------------------|-----------------------------|-----------------------------|-----------------|-----------------|-----------------|----------------|---------------|-----------------|------------------|-----------------|-----------------|-----------------|--------------------|--|
| | | | 1/84 | | | | 2/84 | | | | 3/84 | | | |
| RIVER/LOCK NAME | | TONS | VESSEL RECRN | VESSEL OTHER | VESSEL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) | |
| MONONGAHELA RIVER | | | | | | | | | | | | | | |
| OPEKISKA LOCK & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 1 | 1 | 1 | 3 | 3 | 0 | 3 | 2 | 1 | 1 | 4 | 0 | |
| DOWNBOUND STATISTICS | | 2 | 1 | 0 | 3 | 4 | 0 | 4 | 2 | 1 | 1 | 4 | 0 | |
| TOTALS | | 3 | 2 | 1 | 6 | 7 | 0 | 7 | 4 | 2 | 2 | 8 | 0 | |
| OHIO RIVER | | | | | | | | | | | | | | |
| EMSWORTH LOCK & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 611 | 0 | 45 | 656 | 1419 | 2246 | 3665 | 721 | 0 | 3 | 724 | 2790 | |
| DOWNBOUND STATISTICS | | 596 | 0 | 56 | 652 | 1523 | 2074 | 3597 | 705 | 0 | 2 | 707 | 2273 | |
| TOTALS | | 1207 | 0 | 101 | 1308 | 2942 | 4320 | 7262 | 1426 | 0 | 5 | 1431 | 5063 | |
| EMSWORTH LOCK & DAM AUX 1 | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 73 | 0 | 46 | 119 | 64 | 57 | 121 | 127 | 0 | 2 | 129 | 62 | |
| DOWNBOUND STATISTICS | | 65 | 0 | 64 | 129 | 69 | 37 | 106 | 135 | 0 | 3 | 138 | 46 | |
| TOTALS | | 138 | 0 | 110 | 248 | 133 | 94 | 227 | 262 | 0 | 5 | 267 | 108 | |
| DASHIELDS LOCK & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 582 | 0 | 36 | 618 | 1389 | 2325 | 3714 | 696 | 0 | 0 | 696 | 2855 | |
| DOWNBOUND STATISTICS | | 585 | 0 | 41 | 626 | 1538 | 2133 | 3671 | 698 | 0 | 0 | 698 | 2295 | |
| TOTALS | | 1167 | 0 | 77 | 1244 | 2927 | 4458 | 7385 | 1394 | 0 | 0 | 1394 | 5151 | |
| DASHIELDS LOCK & DAM AUX 1 | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 79 | 0 | 50 | 129 | 71 | 37 | 108 | 126 | 0 | 1 | 127 | 41 | |
| DOWNBOUND STATISTICS | | 64 | 0 | 58 | 122 | 49 | 37 | 86 | 121 | 0 | 2 | 123 | 45 | |
| TOTALS | | 143 | 0 | 108 | 251 | 120 | 74 | 194 | 247 | 0 | 3 | 250 | 87 | |
| MONTGOMERY LOCK & DAM | | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 539 | 0 | 18 | 557 | 1247 | 2469 | 3716 | 676 | 0 | 0 | 676 | 3199 | |
| DOWNBOUND STATISTICS | | 543 | 0 | 17 | 560 | 1826 | 1845 | 3671 | 675 | 0 | 1 | 676 | 2093 | |
| TOTALS | | 1082 | 0 | 35 | 1117 | 3073 | 4314 | 7387 | 1351 | 0 | 1 | 1352 | 5292 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H4 | DISTRICT NAME PITTSBURGH | DIVISION NAME OHIO RIVER | | MONTHS REPORTED | | | | | | | | | |
|------------------------|-----------------------------|-----------------------------|----------------|-----------------|----------------|---------------|-----------------|------------------|------------------|-----------------|-----------------|--------------------|--|
| | | | | 1/84 | | | 2/84 | | | 3/84 | | | |
| RIVER/LOCK NAME | TOWS | VESSL RECRNT | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRNT | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) | |
| OHIO RIVER | | | | | | | | | | | | | |
| LOCK 1 AND 2 DAM AUX 1 | *** | | | | | | | | | | | | |
| LOCK 1 STATISTICS | 17 | 1 | 71 | 150 | 71 | 24 | 95 | 150 | 1 | 1 | 152 | 26 | |
| LOCK 2 STATISTICS | 8 | 1 | 53 | 143 | 56 | 29 | 85 | 144 | 1 | 1 | 146 | 33 | |
| LOCK 1 AND 2 DAM | *** | | | | | | | | | | | | |
| LOCK 1 STATISTICS | 452 | 1 | 55 | 488 | 515 | 3459 | 3974 | 472 | 0 | 0 | 472 | 4924 | |
| LOCK 2 STATISTICS | 214 | 1 | 24 | 499 | 2717 | 1351 | 4068 | 489 | 0 | 0 | 489 | 1674 | |
| LOCK 1 AND 2 | *** | | | | | | | | | | | | |
| LOCK 1 STATISTICS | 17 | 1 | 19 | 53 | 161 | 74 | 235 | 91 | 0 | 0 | 91 | 106 | |
| LOCK 2 STATISTICS | 69 | 1 | 19 | 89 | 179 | 84 | 193 | 85 | 1 | 1 | 87 | 85 | |
| LOCK 1 AND 2 | 141 | 1 | 38 | 111 | | 158 | 428 | 176 | 1 | 1 | 178 | 191 | |
| LOCK 1 AND 2 DAM | *** | | | | | | | | | | | | |
| LOCK 1 STATISTICS | 474 | 0 | 11 | 485 | 341 | 4343 | 4684 | 484 | 0 | 0 | 484 | 621 | |
| LOCK 2 STATISTICS | 467 | 0 | 95 | 562 | 3033 | 1599 | 4632 | 473 | 0 | 0 | 473 | 2155 | |
| LOCK 1 AND 2 | 941 | 0 | 106 | 1047 | 3374 | 5942 | 9316 | 957 | 0 | 0 | 957 | 8374 | |
| LOCK 1 AND 2 DAM AUX 1 | *** | | | | | | | | | | | | |
| LOCK 1 STATISTICS | 44 | 0 | 25 | 69 | 85 | 48 | 133 | 66 | 0 | 0 | 66 | 56 | |
| LOCK 2 STATISTICS | 74 | 0 | 10 | 84 | 158 | 84 | 242 | 84 | 0 | 0 | 84 | 90 | |
| LOCK 1 AND 2 | 118 | 0 | 35 | 153 | 243 | 132 | 375 | 150 | 0 | 0 | 150 | 147 | |
| LOCK 1 AND 2 DAM | *** | | | | | | | | | | | | |
| LOCK 1 STATISTICS | 441 | 0 | 14 | 455 | 961 | 3952 | 4913 | 447 | 0 | 0 | 447 | 5573 | |
| LOCK 2 STATISTICS | 424 | 0 | 12 | 436 | 2209 | 2563 | 4772 | 431 | 0 | 0 | 431 | 3513 | |
| LOCK 1 AND 2 | 865 | 0 | 26 | 891 | 3170 | 4515 | 9685 | 878 | 0 | 0 | 878 | 9087 | |
| LOCK 1 AND 2 DAM AUX 1 | *** | | | | | | | | | | | | |
| LOCK 1 STATISTICS | 35 | 0 | 7 | 32 | 50 | 21 | 71 | 31 | 0 | 0 | 31 | 26 | |
| LOCK 2 STATISTICS | 57 | 0 | 11 | 48 | 71 | 59 | 130 | 48 | 0 | 0 | 48 | 56 | |
| LOCK 1 AND 2 | 92 | 0 | 18 | 80 | 121 | 80 | 201 | 79 | 0 | 0 | 79 | 83 | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC H4 | DISTRICT NAME PITTSBURGH | DIVISION NAME OHIO RIVER | 1/84 | MONTHS REPORTED 2/84 | 3/84 |
|--------------------------------|-----------------------------|-----------------------------|-----------------|-------------------------|-----------------------------|
| ALL TIMES EXPRESSED IN MINUTES | | | | | |
| | APPROACH | LOCK PROCESSING TIME | | | |
| | ENTRY | CHAMBER | EXIT | DELAYED : TOMS | DELAY : TOMS |
| | MIN : AVG : MAX | MIN : AVG : MAX | MIN : AVG : MAX | TIME (TOMS) | AVG (TOMS) |
| | | | | | DELAY MAX (ALL VSSLX) |
| ALLEGHENY RIVER | | | | | |
| LOCK & DAM 2 | 1 7 28 | 2 6 25 | 6 7 18 | 2 9 47 : | 50 2028 40.6 134 |
| LOCK & DAM 3 | 1 8 33 | 1 5 35 | 5 9 22 | 1 9 33 : | 54 3197 59.2 192 |
| LOCK & DAM 4 | 1 7 35 | 1 5 15 | 7 9 27 | 2 10 40 : | 15 612 40.8 102 |
| LOCK & DAM 5 | 2 2 5 | 2 2 5 | 8 8 9 | 2 4 11 : | 3 18 6.0 8 |
| LOCK & DAM 6 | 5 5 5 | 5 5 5 | 8 8 8 | 5 6 10 : | 0 0 .0 0 |
| LOCK & DAM 7 | 5 5 7 | 4 5 6 | 9 9 9 | 5 9 12 : | 0 0 .0 0 |
| LOCK & DAM 8 | 5 5 5 | 5 7 10 | 10 10 10 | 5 5 5 : | 0 0 .0 0 |
| LOCK & DAM 9 | 2 2 2 | 2 2 2 | 7 7 7 | 4 4 4 : | 0 0 .0 0 |
| MONONGAHELA RIVER | | | | | |
| LOCK & DAM 2 | 1 11 54 | 2 5 25 | 5 11 42 | 1 8 63 : | 377 14375 38.1 215 |
| LOCK & DAM 2 AUX 1 | 2 9 54 | 1 2 7 | 5 6 15 | 1 2 14 : | 6 82 13.7 22 |
| LOCK & DAM 3 | 1 11 44 | 1 5 22 | 7 10 28 | 2 6 22 : | 953 36174 38.0 246 |
| LOCK & DAM 3 AUXILIARY 1 | 1 8 23 | 1 3 14 | 5 8 17 | 1 3 17 : | 41 671 16.4 44 |
| LOCK & DAM 4 | 1 10 56 | 1 6 55 | 5 10 31 | 1 7 32 : | 672 24604 36.6 743 |
| LOCK & DAM 4 AUXILIARY 1 | 2 11 49 | 1 3 14 | 5 10 60 | 1 4 24 : | 2 54 27.0 44 |
| MAXWELL LOCK & DAM | 1 10 54 | 2 7 58 | 5 12 45 | 2 9 45 : | 109 2359 21.6 130 |

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PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
TINSTITUTE FOR WATER RESOURCES

| EROC H4 | DISTRICT NAME PITTSBURGH | DIVISION NAME OHIO RIVER | 1/84 | MONTHS REPORTED 2/84 | 3/84 |
|--------------------------------|---|-----------------------------|----------|-------------------------|---------------------|
| ALL TIMES EXPRESSED IN MINUTES | | | | | |
| | APPROACH | LOCK PROCESSING TIME | | | |
| | ENTRY | CHAMBER | EXIT | DELAYED TOWS | DELAY AVG |
| | MIN AVG MAX : MIN AVG MAX : MIN AVG MAX : MIN AVG MAX : | | | TIME (TOWS) | MAX (ALL VSSLS) |
| MONONGAHELA RIVER | | | | | |
| MAXWELL LOCK & DAM AUX 1 | 1 13 58 | 2 8 47 | 6 13 60 | 2 9 34 : | 74 1960 26.5 600 |
| LOCK & DAM 7 | 1 6 65 | 1 5 57 | 5 6 44 | 1 10 51 : | 695 42868 61.7 1114 |
| LOCK & DAM 8 | 1 5 31 | 1 4 23 | 5 6 26 | 1 10 74 : | 457 21584 47.2 362 |
| MORGANTOWN LOCK & DAM | 4 4 5 | 4 5 10 | 5 11 30 | 5 5 10 : | 0 0 .0 0 |
| HILDEBRAND LOCK & DAM | 2 4 13 | 2 3 10 | 10 11 30 | 2 3 10 : | 0 0 .0 0 |
| OPEKISKA LOCK & DAM | 2 7 18 | 2 3 5 | 10 12 16 | 3 4 5 : | 0 0 .0 0 |
| OHIO RIVER | | | | | |
| EMSWORTH LOCK & DAM | 1 12 78 | 1 7 44 | 7 14 59 | 3 10 81 : | 642 50151 78.1 1840 |
| EMSWORTH LOCK & DAM AUX 1 | 1 9 39 | 1 4 12 | 5 9 24 | 2 4 30 : | 18 741 41.2 141 |
| DASHIELDS LOCK & DAM | 1 13 73 | 1 8 58 | 6 12 44 | 1 11 71 : | 588 40816 69.4 556 |
| DASHIELDS LOCK & DAM AUX 1 | 1 13 45 | 1 4 18 | 5 7 32 | 1 3 14 : | 15 448 29.9 148 |
| MONTGOMERY LOCK & DAM | 1 10 60 | 2 9 47 | 6 15 53 | 2 13 92 : | 621 56678 91.3 568 |
| MONTGOMERY LOCK & DAM AUX 1 | 1 9 44 | 1 4 16 | 7 11 30 | 1 5 20 : | 12 415 34.6 272 |
| NEW CUMBERLAND LOCK & DAM | 1 17 59 | 1 6 51 | 5 15 42 | 1 11 34 : | 332 13888 41.8 245 |
| NEW CUMBERLAND LK & DAM AUX | 2 14 40 | 1 3 15 | 8 12 24 | 1 9 20 : | 13 261 20.1 65 |
| PIKE ISLAND LOCK & DAM | 1 14 53 | 1 9 37 | 5 14 42 | 2 10 25 : | 337 15501 46.0 224 |
| PIKE ISLAND LOCK & DAM AUX 1 | 3 11 48 | 2 5 20 | 5 12 19 | 3 9 25 : | 4 44 11.0 20 |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC H4 | DISTRICT NAME PITTSBURGH | DIVISION NAME OHIO RIVER | MONTHS REPORTED | | | | | | | | | | | |
|--------------------------------|-----------------------------|-----------------------------|-----------------|-----------------|--------------------|-----------------|-----------------|---|-----------------|---------------|--------------|-----------------|-----------------|----------------------|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | |
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | |
| | | | APPROACH | LOCK ENTRY | PROCESSING TIME | CHAMBER | EXIT | : | DELAYED TONS | DELAY TIME | DELAY AVG | DELAY (TONS) | DELAY (TONS) | DELAY (ALL VSSLS) |
| | | | MIN : AVG : MAX | MIN : AVG : MAX | MIN : AVG : MAX | MIN : AVG : MAX | MIN : AVG : MAX | : | TONS | TIME | AVG | (TONS) | (TONS) | (ALL VSSLS) |
| OHIO RIVER | | | | | | | | | | | | | | |
| HANNIBAL LOCKS & DAM | | | 1 16 60 | 1 11 29 | 5 16 45 | 1 11 30 | 335 | : | 16193 | 48.3 | 205 | | | |
| HANNIBAL LOCKS & DAM AUX 1 | | | 5 14 45 | 1 5 13 | 10 15 20 | 5 9 17 | 2 | : | 50 | 25.0 | 27 | | | |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|---------------------|----------------------------------|----------------|--------------------------|------|------|
| K3 | JACKSONVILLE | SOUTH ATLANTIC | 1/84 | 2/84 | 3/84 |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| CROSS FLA BRG CML | 11-HENRY HOLLAND BUCKMAN LOCK | | 0100/0084/15.0 | | |
| | 12-EUREKA LOCK | | 0600/0084/15.0 | | |
| | 13-INGLIS LOCK | | 0600/0084/15.0 | | |
| CANAVERAL HARBOR | 21-CANAVERAL LOCK | | 0600/0090/15.0 | | |
| OKEECHOBEE WATERWAY | 01-ST LUCIE LOCK & DAM | | 0275/0050/14.0 | | |
| | 02-MOORE HAVEN LOCK | | 0275/0050/11.0 | | |
| | 03-ORTONA LOCK & DAM | | 0275/0050/12.0 | | |
| | 04-W P FRANKLIN LCK & CTRL STRCT | | 0450/0056/14.0 | | |
| | 05-PORT MAYACA LOCK | | 0450/0056/14.0 | | |
| OKLAHAMA RIVER | 31-MOSS BLUFF LOCK & DAM | | 0156/0030/XXXX | | |

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC K5 | DISTRICT NAME MOBILE | DIVISION NAME SOUTH ATLANTIC | MONTHS REPORTED 1/84 | MONTHS REPORTED 2/84 | MONTHS REPORTED 3/84 |
|------------------------|---------------------------------|---------------------------------|-------------------------|-------------------------|-------------------------|
| RIVER | LCODE-LOCK NAME | LEN/WID/DRAFT (FT/FT/FT) | | | |
| ALABAMA-COOSA RIVERS | 11-CLAIBORNE LOCK & DAM | 0600/0084/12.0 | | | |
| | 12-MILLERS FERRY LOCK & DAM | 0600/0084/12.0 | | | |
| | 13-JONES BLUFF LOCK & DAM | 0600/0084/12.0 | | | |
| APLCH/CNTCH/FLNT RI | 21-JIM WOODRUFF LOCK & DAM | 0450/0082/12.0 | | | |
| | 22-GEORGE W ANDREWS LOCK & DAM | 0450/0082/12.0 | | | |
| | 23-WALTER F GEORGE LOCK & DAM | 0450/0082/12.0 | | | |
| BLKWAR/TOMBIGBEE RT | 01-COFFEEVILLE LOCK | 0600/0110/12.0 | | | |
| | 02-DEMOPOLIS LOCK & DAM | 0600/0110/12.0 | | | |
| | 03-WARFICE LOCK & DAM | 0600/0110/12.0 | | | |
| | 04-WILLIAM BACON OLIVER LK & DM | 0600/0095/12.0 | | | |
| | 05-HOLT LOCK & DAM | 0600/0110/12.0 | | | |
| | 06-JOHN HOLLIS BANKHEAD LK & DM | 0600/0110/12.0 | | | |
| PEARL RIVER | 31-LOCK 1 | 0310/0065/ 9.0 | | | |
| | 32-LOCK 2 | 0310/0065/ 9.0 | | | |
| | 33-LOCK 3 | 0310/0065/ 9.0 | | | |
| TENN-TOMIGEEF WATERWAY | 41-GAINESVILLE LOCK & DAM | 0600/0110/12.0 | | | |
| | 42-ALICEVILLE LOCK & DAM | 0600/0110/12.0 | | | |
| | 43-COLUMBUS LOCK & DAM | 0600/0110/12.0 | | | |
| | 44-ABERDEEN LOCK & DAM | 0600/0110/12.0 | | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC K5 | DISTRICT NAME MOBILE | DIVISION NAME SOUTH ATLANTIC | | MONTHS REPORTED | | | | | | | | | |
|-----------------------------|-------------------------|---------------------------------|-----------------|-----------------|-----------------|----------------|-----------------|-------------------|------------------|-----------------|-----------------|---------------------------------------|--|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | |
| RIVER/LOCK NAME | TONS | VESSEL RECRDN | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGS CARRIER | LCKGES RECRDN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | |
| ALABAMA-COOSA RIVERS | | | | | | | | | | | | | |
| CLAIBORNE LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 57 | 70 | 1 | 128 | 204 | 3 | 207 | 60 | 69 | 4 | 133 | 3 | |
| DOWNBOUND STATISTICS | 54 | 72 | 0 | 126 | 2 | 195 | 197 | 56 | 71 | 5 | 132 | 274 | |
| TOTALS | 111 | 142 | 1 | 254 | 206 | 198 | 404 | 116 | 140 | 9 | 265 | 278 | |
| MILLERS FERRY LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 28 | 27 | 2 | 57 | 97 | 5 | 102 | 31 | 23 | 0 | 54 | 6 | |
| DOWNBOUND STATISTICS | 26 | 28 | 0 | 54 | 1 | 90 | 91 | 28 | 24 | 1 | 53 | 102 | |
| TOTALS | 54 | 55 | 2 | 111 | 98 | 95 | 193 | 59 | 47 | 1 | 107 | 109 | |
| JONES BLUFF LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 2 | 6 | 0 | 8 | 1 | 1 | 2 | 4 | 5 | 0 | 9 | 2 | |
| DOWNBOUND STATISTICS | 3 | 7 | 0 | 10 | 1 | 2 | 3 | 5 | 6 | 0 | 11 | 2 | |
| TOTALS | 5 | 13 | 0 | 18 | 2 | 3 | 5 | 9 | 11 | 0 | 20 | 4 | |
| APLCH/CHTC/FLNT RI | | | | | | | | | | | | | |
| JIM WOODRUFF LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 64 | 8 | 6 | 78 | 143 | 38 | 181 | 73 | 8 | 5 | 86 | 82 | |
| DOWNBOUND STATISTICS | 68 | 17 | 4 | 89 | 43 | 150 | 193 | 74 | 14 | 3 | 91 | 90 | |
| TOTALS | 132 | 25 | 10 | 167 | 186 | 188 | 374 | 147 | 22 | 8 | 177 | 172 | |
| GEORGE W ANDREWS LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 14 | 38 | 2 | 54 | 4 | 18 | 22 | 18 | 32 | 2 | 52 | 32 | |
| DOWNBOUND STATISTICS | 14 | 46 | 0 | 60 | 15 | 5 | 20 | 16 | 34 | 2 | 52 | 6 | |
| TOTALS | 28 | 84 | 2 | 114 | 19 | 23 | 42 | 34 | 66 | 4 | 104 | 39 | |
| WALTER F GEORGE LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 7 | 3 | 1 | 11 | 0 | 10 | 10 | 10 | 1 | 3 | 14 | 17 | |
| DOWNBOUND STATISTICS | 7 | 10 | 0 | 17 | 10 | 0 | 10 | 8 | 9 | 3 | 20 | 0 | |
| TOTALS | 14 | 13 | 1 | 28 | 10 | 10 | 20 | 18 | 10 | 6 | 34 | 17 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC K5 | DISTRICT NAME MOBILE | DIVISION NAME SOUTH ATLANTIC | | | | | | MONTHS REPORTED | | | | | | | | | | | | | | | | | |
|--------------------------------|-------------------------|---------------------------------|----------------|----------------|----------------|---------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | 1/84 | 2/84 | 3/84 | 1/84 | 2/84 | 3/84 | LOCKGS COMMER | LCKGES RECRTR | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | | | | | | | | | | | | | |
| RIVER/LOCK NAME | TONS | VESSL RECRTRN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRTR | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | | | | | | | | | | | | | |
| PEARL RIVER | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOCK 2 | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | | | | | | | | |
| LOCK 3 | | NO DATA RECORDED FOR THIS LOCK | | | | | | | | | | | | | | | | | | | | | | | |
| TENN TOMBIGBEE WATERWAY | | | | | | | | | | | | | | | | | | | | | | | | | |
| GAINESVILLE LOCK & DAM | | | | | | | | | | | | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 11 | 2 | 1 | 14 | 36 | 2 | 38 | 14 | 1 | 0 | 15 | 3 | | | | | | | | | | | | | |
| DOWNBOUND STATISTICS | 12 | 2 | 1 | 15 | 3 | 37 | 40 | 13 | 2 | 1 | 16 | 39 | | | | | | | | | | | | | |
| TOTALS | 23 | 4 | 2 | 29 | 39 | 39 | 78 | 27 | 3 | 1 | 31 | 42 | | | | | | | | | | | | | |
| ALICEVILLE LOCK & DAM | | | | | | | | | | | | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 3 | 50 | 1 | 54 | 4 | 2 | 6 | 6 | 45 | 0 | 51 | 3 | | | | | | | | | | | | | |
| DOWNBOUND STATISTICS | 6 | 53 | 0 | 59 | 2 | 7 | 9 | 8 | 49 | 0 | 57 | 6 | | | | | | | | | | | | | |
| TOTALS | 9 | 103 | 1 | 113 | 6 | 9 | 15 | 14 | 94 | 0 | 108 | 9 | | | | | | | | | | | | | |
| COLUMBUS LOCK & DAM | | | | | | | | | | | | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 13 | 49 | 31 | 93 | 3 | 12 | 15 | 29 | 48 | 4 | 81 | 5 | | | | | | | | | | | | | |
| DOWNBOUND STATISTICS | 15 | 46 | 28 | 89 | 12 | 3 | 15 | 30 | 44 | 5 | 79 | 3 | | | | | | | | | | | | | |
| TOTALS | 28 | 95 | 59 | 182 | 15 | 15 | 30 | 59 | 92 | 9 | 160 | 9 | | | | | | | | | | | | | |
| ABERDEEN LOCK & DAM | | | | | | | | | | | | | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 0 | 38 | 1 | 39 | 0 | 0 | 0 | 2 | 32 | 13 | 47 | 1 | | | | | | | | | | | | | |
| DOWNBOUND STATISTICS | 1 | 34 | 0 | 35 | 0 | 1 | 1 | 3 | 30 | 13 | 46 | 0 | | | | | | | | | | | | | |
| TOTALS | 1 | 72 | 1 | 74 | 0 | 1 | 1 | 5 | 62 | 26 | 93 | 1 | | | | | | | | | | | | | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED |
|------|---------------|----------------|-----------------|
| KS | MOBILE | SOUTH ATLANTIC | 1/84 2/84 3/84 |

ALL TIMES EXPRESSED IN MINUTES

| APPROACH | LOCK PROCESSING TIME | | | : DELAYED | | | DELAY | DELAY | | | |
|----------|----------------------|---------|-------|-----------|------|-------|-------|-------|----------|--------|-------------|
| | ENTRY | CHAMBER | EXIT | : TONS | TIME | Avg | | | Max | | |
| MIN | Avg | MAX | : MIN | Avg | MAX | : MIN | Avg | MAX | : (TONS) | (TONS) | (ALL VSSLs) |

ALABAMA-COOZA RIVERS

CLAIBORNE LOCK & DAM 1 5 20 1 3 12 5 10 21 1 4 14 : 1 1 7 7.0 9

MILLERS FERRY LOCK & DAM 1 8 20 1 4 10 12 15 43 1 5 14 : 0 0 .0 0

JONES BLUFF LOCK & DAM 1 3 10 1 2 4 12 18 30 2 4 8 : 0 0 .0 0

APLCH/CHTCH/FLNT RI

JIM WOODRUFF LOCK & DAM 2 4 23 2 5 32 8 10 17 2 5 37 : 7 151 21.6 42

GEORGE W ANDREWS LOCK & DAM 1 2 3 2 2 9 8 14 21 2 2 9 : 0 0 .0 2

WALTER F GEORGE LOCK & DAM 1 3 8 1 3 12 10 15 24 1 3 7 : 0 0 .0 15

BLKWAR/TOMBIGBEE RI

COFFEEVILLE LOCK 1 10 38 1 5 42 5 12 28 1 9 37 : 227 8242 36.3 196

DEMOPOLIS LOCK & DAM 1 12 35 1 5 19 5 12 29 1 10 26 : 209 8248 39.5 171

WARRIOR **LOCK & DAM** 1 13 44 1 4 35 5 17 29 2 8 55 : 260 10299 39.6 188

WILLIAM BACON OLIVER LK & DM 1 11 133 1 6 35 5 15 38 1 11 100 : 560 59257 105.8 928

HOLT LOCK & DAM 1 12 35 1 6 43 5 19 54 2 9 30 : 205 8456 41.2 110

JOHN HOLLIS BANKHEAD LK & DM 1 12 40 1 7 20 5 14 44 1 8 21 : 117 4739 40.5 311

PEARL RIVER

LOCK 1 NO DATA RECORDED FOR THIS LOCK

LOCK 2 NO DATA RECORDED FOR THIS LOCK

LOCK 3 NO DATA RECORDED FOR THIS LOCK

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC KS | DISTRICT NAME MOBILE | DIVISION NAME SOUTH ATLANTIC | MONTHS REPORTED | | | | | | | | | | | | | | |
|---|-------------------------|---------------------------------|--|---|---|-----------------|---|----|-------|---|---|--------------------------------|---|---|----|------|----|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | | | | |
| | | | | | | | | | | | | ALL TIMES EXPRESSED IN MINUTES | | | | | |
| APPROACH | | | LOCK PROCESSING TIME | | | : DELAYED DELAY | | | DELAY | | | DELAY | | | | | |
| MIN AVG MAX : MIN AVG MAX : MIN AVG MAX : MIN AVG MAX : | | | ENTRY CHAMBER EXIT : TONS TIME AVG (TONS) (TONS) (ALL VSSLS) | | | | | | | | | | | | | | |
| TENN TOMBIGBEE WATERWAY | | | | | | | | | | | | | | | | | |
| GAINESVILLE LOCK & DAM | 3 | 11 | 34 | 1 | 5 | 11 | 8 | 12 | 17 | 2 | 6 | 12 | : | 0 | 0 | .0 | 0 |
| ALICEVILLE LOCK & DAM | 1 | 1 | 13 | 1 | 1 | 8 | 5 | 13 | 29 | 1 | 1 | 11 | : | 1 | 1 | 1.0 | 31 |
| COLUMBUS LOCK & DAM | 1 | 7 | 45 | 1 | 2 | 20 | 5 | 13 | 25 | 1 | 2 | 15 | : | 1 | 30 | 30.0 | 30 |
| ABERDEEN LOCK & DAM | 1 | 3 | 14 | 1 | 1 | 10 | 5 | 14 | 33 | 1 | 2 | 15 | : | 0 | 0 | .0 | 47 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC K6 | DISTRICT NAME SAVANNAH | DIVISION NAME SOUTH ATLANTIC | MONTHS REPORTED 1/84 | MONTHS REPORTED 2/84 | MONTHS REPORTED 3/84 |
|-------------------------|---|---------------------------------|--|-------------------------|-------------------------|
| RIVER SAVANNAH RIVER | LCODE-LOCK NAME 01-NEW SAVANNAH BLUFF LOCK & DAM | | LEN/WID/DRAFT (FT/FT/FT) 0360/0056/12.0 | | |

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LOCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC K7 | DISTRICT NAME WILMINGTON | DIVISION NAME SOUTH ATLANTIC | MONTHS REPORTED | | |
|-----------------|-------------------------------|---------------------------------|--------------------------|------|------|
| | | | 1/84 | 2/84 | 3/84 |
| RIVER | LCODE-LOCK NAME | | LEN/MID/DRAFT (FT/FT/FT) | | |
| CAPE FEAR RIVER | 01-LOCK & DAM 1 | | 0200/0040/10.0 | | |
| | 02-LOCK & DAM 2 | | 0200/0040/10.0 | | |
| | 03-WILLIAM O HUSKE LOCK & DAM | | 0300/0040/10.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC K7 | DISTRICT NAME WILMINGTON | DIVISION NAME SOUTH ATLANTIC | | MONTHS REPORTED | | | | | | | | | |
|----------------------------|-----------------------------|---------------------------------|---------------------------------------|-----------------|----------------|---------------|-----------------|------------------|-----------------|-----------------|-----------------|---------------------------------------|---|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | |
| RIVER/LOCK NAME | | TONS RECRN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS CONVER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPN, ETC) | |
| CAPE FEAR RIVER | | | | | | | | | | | | | |
| LOCK & DAM 1 | | XXX | ONLY FIRST AND SECOND MONTHS REPORTED | | | | | | | | | | |
| UPBOUND STATISTICS | | 2 | 0 | 0 | 2 | 0 | 2 | 2 | 4 | 0 | 1 | 5 | 2 |
| DOWNBOUND STATISTICS | | 2 | 0 | 0 | 2 | 2 | 0 | 2 | 4 | 0 | 1 | 5 | 0 |
| TOTALS | | 4 | 0 | 0 | 4 | 2 | 2 | 4 | 8 | 0 | 2 | 10 | 2 |
| LOCK & DAM 2 | | XXX | ONLY FIRST MONTH REPORTED | | | | | | | | | | |
| UPBOUND STATISTICS | | 2 | 0 | 0 | 2 | 0 | 2 | 2 | 4 | 0 | 1 | 5 | 2 |
| DOWNBOUND STATISTICS | | 2 | 0 | 0 | 2 | 2 | 0 | 2 | 4 | 0 | 1 | 5 | 0 |
| TOTALS | | 4 | 0 | 0 | 4 | 2 | 2 | 4 | 8 | 0 | 2 | 10 | 2 |
| WILLIAM O HUSKE LOCK & DAM | | XXX | ONLY FIRST MONTH REPORTED | | | | | | | | | | |
| UPBOUND STATISTICS | | 2 | 0 | 0 | 2 | 0 | 2 | 2 | 2 | 0 | 0 | 2 | 2 |
| DOWNBOUND STATISTICS | | 2 | 0 | 0 | 2 | 2 | 0 | 2 | 2 | 0 | 0 | 2 | 0 |
| TOTALS | | 4 | 0 | 0 | 4 | 2 | 2 | 4 | 4 | 0 | 0 | 4 | 2 |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC K7 | DISTRICT NAME WILMINGTON | DIVISION NAME SOUTH ATLANTIC | MONTHS REPORTED | | | | | | | | | | | |
|--------------------------------|-----------------------------|---------------------------------|-----------------|---------|------|------|---------|--------|--------|--------|--------|--------|--------|-------------|
| | | | 1/84 | | | 2/84 | | | 3/84 | | | | | |
| ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | |
| APPROACH | LOCK | PROCESSING TIME | ENTRY | CHAMBER | EXIT | : | DELAYED | DELAY | DELAY | DELAY | TIME | Avg | Max | Max |
| | | | MIN | Avg | MAX | : | TONS | (TONS) | (TONS) | (TONS) | (TONS) | (TONS) | (TONS) | (ALL VSSLS) |
| CAPE FEAR RIVER | | | | | | | | | | | | | | |
| LOCK & DAM 1 | 5 | 5 | 5 | 5 | 5 | 5 | 15 | 15 | 15 | 5 | 5 | 5 | 0 | 0 |
| LOCK & DAM 2 | 5 | 5 | 5 | 5 | 5 | 10 | 10 | 11 | 15 | 5 | 5 | 10 | 4 | 20 |
| WILLIAM D HUSKE LOCK & DAM | 5 | 5 | 5 | 5 | 5 | 30 | 30 | 30 | 30 | 5 | 5 | 5 | 0 | 0 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED |
|---------------------------|---------------|---------------|--|
| L2 | SACRAMENTO | SOUTH PACIFIC | 1/84 2/84 3/84 |
| RIVER SCRANTON DWSMP CHNL | | | LCODE-LOCK NAME 01-BARGE CANAL LOCK |
| | | | LEN/WID/DRAFT (FT/FT/FT) 0640/0086/23.0 |

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

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| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED |
|------|---------------|---------------|--------------------------|
| M3 | GALVESTON | SOUTHWESTERN | 1/84 2/84 3/84 |

| RIVER | LCODE-LOCK NAME | LEN/WID/DRAFT (FT/FT/FT) |
|-------------------|-----------------------------|--------------------------|
| GULF INTRACOASTAL | 11-COLORADO RIVER EAST LOCK | 1200/0075/15.0 |
| | 12-COLORADO RIVER WEST LOCK | 1200/0075/15.0 |
| | 13-BRAZOS EAST GATE | 9999/0075/15.0 |
| | 14-BRAZOS WEST GATE | 9999/0075/15.0 |

NO DATA RECORDED ON SUMMARY FILE FOR THIS PERIOD

NO DATA RECORDED ON LCKAGE FILE FOR THIS PERIOD

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC | DISTRICT NAME | DIVISION NAME | MONTHS REPORTED | | |
|----------------|-------------------------------|---------------|--------------------------|------|------|
| M4 | LITTLE ROCK | SOUTHWESTERN | 1/84 | 2/84 | 3/84 |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| ARKANSAS RIVER | 01-NORRELL LOCK & DAM | | 0600/0110/12.0 | | |
| | 02-LOCK & DAM 2 | | 0600/0110/12.0 | | |
| | 03-LOCK & DAM 3 | | 0600/0110/12.0 | | |
| | 04-LOCK & DAM 4 | | 0600/0110/12.0 | | |
| | 05-LOCK & DAM 5 | | 0600/0110/12.0 | | |
| | 06-DAVID D TERRY LOCK & DAM | | 0600/0110/12.0 | | |
| | 07-MURRAY LOCK & DAM | | 0600/0110/12.0 | | |
| | 08-TOAD SUCK FERRY LOCK & DAM | | 0600/0110/12.0 | | |
| | 09-LOCK & DAM 9 | | 0600/0110/12.0 | | |
| | 10-DARDANELLE LOCK & DAM | | 0600/0110/12.0 | | |
| | 11-OZARK LOCK & DAM | | 0600/0110/12.0 | | |
| | 13-LOCK & DAM 13 | | 0600/0110/12.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC M4 | DISTRICT NAME LITTLE ROCK | DIVISION NAME SOUTHWESTERN | | MONTHS REPORTED | | | | | | | | | | |
|--------------------------|------------------------------|--------------------------------------|------------------|-----------------|-----------------|----------------|---------------|-----------------|------------------|------------------|-----------------|-----------------|--------------------|--|
| | | | | | 1/84 | | | 2/84 | | | 3/84 | | | |
| RIVER/LOCK NAME | | TOWS | VESSEL RECRNT | VESSEL OTHER | VESSEL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRNT | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) | |
| (NAV, OPN, ETC) | | | | | | | | | | | | | | |
| ARKANSAS RIVER | | | | | | | | | | | | | | |
| NORRELL LOCK & DAM | | | | | | | | | | | | | | |
| | | ONLY FIRST AND THIRD MONTHS REPORTED | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 108 | 3 | 9 | 120 | 345 | 223 | 568 | 95 | 1 | 29 | 125 | 296 | |
| DOWNBOUND STATISTICS | | 112 | 3 | 4 | 119 | 54 | 520 | 574 | 94 | 4 | 31 | 129 | 668 | |
| TOTALS | | 220 | 6 | 13 | 239 | 399 | 743 | 1142 | 189 | 5 | 60 | 254 | 964 | |
| LOCK & DAM 2 | | | | | | | | | | | | | | |
| | | ONLY FIRST AND THIRD MONTHS REPORTED | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 107 | 4 | 10 | 121 | 334 | 223 | 557 | 116 | 2 | 8 | 126 | 292 | |
| DOWNBOUND STATISTICS | | 111 | 5 | 4 | 120 | 52 | 521 | 573 | 116 | 4 | 9 | 129 | 656 | |
| TOTALS | | 218 | 9 | 14 | 241 | 386 | 744 | 1130 | 232 | 6 | 17 | 255 | 948 | |
| LOCK & DAM 3 | | | | | | | | | | | | | | |
| | | ONLY FIRST AND THIRD MONTHS REPORTED | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 104 | 2 | 3 | 109 | 313 | 224 | 537 | 105 | 2 | 16 | 123 | 295 | |
| DOWNBOUND STATISTICS | | 112 | 2 | 0 | 114 | 56 | 487 | 543 | 110 | 2 | 17 | 129 | 608 | |
| TOTALS | | 216 | 4 | 3 | 223 | 369 | 711 | 1080 | 215 | 4 | 33 | 252 | 903 | |
| LOCK & DAM 4 | | | | | | | | | | | | | | |
| | | ONLY FIRST AND THIRD MONTHS REPORTED | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 98 | 10 | 6 | 114 | 303 | 224 | 527 | 103 | 4 | 8 | 115 | 299 | |
| DOWNBOUND STATISTICS | | 106 | 4 | 0 | 110 | 55 | 471 | 526 | 106 | 4 | 10 | 120 | 601 | |
| TOTALS | | 204 | 14 | 6 | 224 | 358 | 695 | 1053 | 209 | 8 | 18 | 235 | 900 | |
| LOCK & DAM 5 | | | | | | | | | | | | | | |
| | | ONLY FIRST AND THIRD MONTHS REPORTED | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 82 | 80 | 5 | 167 | 206 | 184 | 390 | 95 | 57 | 6 | 158 | 230 | |
| DOWNBOUND STATISTICS | | 90 | 88 | 0 | 178 | 56 | 341 | 397 | 99 | 66 | 8 | 173 | 511 | |
| TOTALS | | 172 | 168 | 5 | 345 | 262 | 525 | 787 | 194 | 123 | 14 | 331 | 741 | |
| DAVID O TERRY LOCK & DAM | | | | | | | | | | | | | | |
| | | ONLY FIRST AND THIRD MONTHS REPORTED | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 86 | 16 | 7 | 109 | 223 | 193 | 416 | 87 | 20 | 6 | 113 | 241 | |
| DOWNBOUND STATISTICS | | 92 | 17 | 2 | 111 | 58 | 340 | 398 | 90 | 22 | 6 | 118 | 509 | |
| TOTALS | | 178 | 33 | 9 | 220 | 281 | 533 | 814 | 177 | 42 | 12 | 231 | 750 | |
| MURRAY LOCK & DAM | | | | | | | | | | | | | | |
| | | ONLY FIRST AND THIRD MONTHS REPORTED | | | | | | | | | | | | |
| UPBOUND STATISTICS | | 60 | 19 | 17 | 96 | 169 | 150 | 319 | 79 | 16 | 3 | 98 | 180 | |
| DOWNBOUND STATISTICS | | 60 | 22 | 20 | 102 | 37 | 289 | 326 | 82 | 19 | 4 | 105 | 460 | |
| TOTALS | | 120 | 41 | 37 | 198 | 206 | 439 | 645 | 161 | 35 | 7 | 203 | 640 | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| ELOC M | DISTRICT NAME | DIVISION NAME | | MONTHS REPORTED | | | | | | | | | |
|----------------------------|---------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|------------------|-----------------|-----------------|-----------------|--------------------|--|
| | | SOUTHWESTERN | | 1/84 | | | 2/84 | | | 3/84 | | | |
| RIVER/LOCK NAME | TONS | VESSEL RECRN | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) | |
| ARKANSAS RIVER | | | | | | | | | | | | | |
| TOAD SUCK FERRY LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 59 | 1 | 1 | 61 | 168 | 146 | 314 | 60 | 1 | 6 | 67 | 175 | |
| DOWNBOUND STATISTICS | 60 | 1 | 2 | 63 | 37 | 289 | 326 | 62 | 1 | 8 | 71 | 449 | |
| TOTALS | 119 | 2 | 3 | 124 | 205 | 435 | 640 | 122 | 2 | 14 | 138 | 624 | |
| LOCK & DAM 9 | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 58 | 26 | 2 | 84 | 171 | 139 | 310 | 64 | 19 | 6 | 89 | 166 | |
| DOWNBOUND STATISTICS | 61 | 23 | 0 | 84 | 35 | 299 | 324 | 67 | 17 | 8 | 92 | 447 | |
| TOTALS | 119 | 49 | 2 | 170 | 206 | 428 | 634 | 131 | 36 | 14 | 181 | 613 | |
| DARDANELLE LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 61 | 5 | 3 | 69 | 176 | 145 | 321 | 65 | 4 | 7 | 76 | 172 | |
| DOWNBOUND STATISTICS | 63 | 5 | 2 | 70 | 25 | 297 | 332 | 66 | 3 | 9 | 78 | 471 | |
| TOTALS | 124 | 10 | 5 | 139 | 211 | 442 | 653 | 131 | 7 | 16 | 154 | 643 | |
| OZARK LOCK & DAM | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 59 | 12 | 1 | 72 | 178 | 140 | 318 | 61 | 8 | 28 | 97 | 161 | |
| DOWNBOUND STATISTICS | 60 | 15 | 1 | 76 | 33 | 290 | 329 | 63 | 9 | 30 | 102 | 462 | |
| TOTALS | 119 | 27 | 2 | 148 | 211 | 430 | 641 | 124 | 17 | 58 | 199 | 624 | |
| LOCK & DAM 13 | | | | | | | | | | | | | |
| UPBOUND STATISTICS | 61 | 2 | 1 | 64 | 176 | 145 | 321 | 63 | 1 | 7 | 71 | 166 | |
| DOWNBOUND STATISTICS | 62 | 2 | 2 | 66 | 37 | 290 | 327 | 64 | 1 | 8 | 73 | 448 | |
| TOTALS | 123 | 4 | 3 | 130 | 213 | 435 | 648 | 127 | 2 | 15 | 144 | 614 | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC M4 | DISTRICT NAME LITTLE ROCK | DIVISION NAME SOUTHWESTERN | 1/84 | MONTHS REPORTED 2/84 | 3/84 |
|--------------------------------|------------------------------|-------------------------------|-----------|-------------------------|------------------|
| ALL TIMES EXPRESSED IN MINUTES | | | | | |
| | APPROACH | LOCK PROCESSING TIME | | : DELAYED | DELAY |
| | ENTRY | CHAMBER | EXIT | : TONS | TIME |
| | MIN : MIN | AVG : MIN | MAX : MIN | AVG : (TONS) | MAX (TONS) |
| | MAX : MIN | AVG : MIN | MAX : MIN | AVG : (TONS) | MAX (ALL VSSLS) |
| ARKANSAS RIVER | | | | | |
| NORRELL LOCK & DAM | 1 8 65 | 1 8 55 | 1 8 24 | 2 8 25 : | 3 30 10.0 15 |
| LOCK & DAM 2 | 1 12 54 | 1 10 38 | 2 11 40 | 1 12 82 : | 31 1363 44.0 125 |
| LOCK & DAM 3 | 1 11 155 | 1 8 42 | 5 11 40 | 1 10 64 : | 16 533 33.3 103 |
| LOCK & DAM 4 | 1 11 73 | 1 8 36 | 5 11 35 | 2 11 84 : | 13 341 26.2 70 |
| LOCK & DAM 5 | 1 9 33 | 1 6 40 | 5 10 26 | 1 9 40 : | 40 490 12.3 65 |
| DAVID D TERRY LOCK & DAM | 1 12 51 | 1 8 32 | 5 9 20 | 2 10 37 : | 12 310 25.8 75 |
| MURRAY LOCK & DAM | 1 8 30 | 1 7 39 | 7 10 22 | 1 8 80 : | 13 326 25.1 73 |
| TOAD SUCK FERRY LOCK & DAM | 1 10 65 | 1 9 34 | 5 10 28 | 2 10 46 : | 21 213 10.1 53 |
| LOCK & DAM 9 | 1 13 46 | 1 8 47 | 6 12 37 | 1 10 56 : | 44 409 9.3 155 |
| DARDANELLE LOCK & DAM | 1 13 65 | 1 9 39 | 5 13 52 | 1 9 45 : | 111 1084 9.8 75 |
| OZARK LOCK & DAM | 1 10 55 | 2 9 45 | 5 12 30 | 1 10 70 : | 80 743 9.3 45 |
| LOCK & DAM 13 | 1 11 54 | 2 11 75 | 5 13 35 | 1 14 61 : | 20 465 23.3 111 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC MS | DISTRICT NAME TULSA | DIVISION NAME SOUTHWESTERN | MONTHS REPORTED 1/84 | MONTHS REPORTED 2/84 | MONTHS REPORTED 3/84 |
|-------------------------|---|-------------------------------|--------------------------|-------------------------|-------------------------|
| RIVER ARKANSAS RIVER | LCODE-LOCK NAME 21-N D MAYO LOCK & DAM 22-ROBERT S KERR LOCK & DAM & RES 23-WEBERS FALLS LOCK & DAM 24-CHOUTEAU LOCK & DAM 25-NEWT GRAHAM LOCK & DAM | | LEN/WID/DRAFT (FT/FT/FT) | | |
| | | | 0600/0110/14.0 | | |
| | | | 0600/0110/14.0 | | |
| | | | 0600/0110/14.0 | | |
| | | | 0670/0110/14.0 | | |
| | | | 0670/0110/14.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/84 THROUGH 3/84
 INSTITUTE FOR WATER RESOURCES

| EROC MS | DISTRICT NAME TULSA | DIVISION NAME SOUTHWESTERN | | | | | | MONTHS REPORTED | | | | | |
|--------------------------------|------------------------|-------------------------------|-----------------|-----------------|-----------------|----------------|-----------------|------------------|-----------------|-----------------|-----------------|---------------------------------------|--|
| | | 1/84 | | | 2/84 | | | 3/84 | | | | | |
| RIVER/LOCK NAME | TONS | VESSEL RECRN | VESSEL OTHER | VESSEL TOTAL | BARGES EMPTY | BARGES FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (KTONS) (NAV, OPM, ETC) | |
| ARKANSAS RIVER | | | | | | | | | | | | | |
| W D MAYO LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 89 | 11 | 1 | 101 | 249 | 210 | 459 | 93 | 6 | 5 | 104 | 257 | |
| DOWNBOUND STATISTICS | 91 | 12 | 2 | 105 | 49 | 428 | 477 | 95 | 5 | 4 | 104 | 686 | |
| TOTALS | 180 | 23 | 3 | 206 | 298 | 638 | 936 | 188 | 11 | 9 | 208 | 944 | |
| ROBERT S KERR LOCK & DAM & RES | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 91 | 11 | 2 | 104 | 249 | 213 | 462 | 95 | 11 | 5 | 111 | 266 | |
| DOWNBOUND STATISTICS | 92 | 9 | 4 | 105 | 50 | 431 | 481 | 96 | 8 | 5 | 109 | 708 | |
| TOTALS | 183 | 20 | 6 | 209 | 299 | 644 | 943 | 191 | 19 | 10 | 220 | 975 | |
| WEBBERS FALLS LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 88 | 8 | 0 | 96 | 202 | 210 | 412 | 90 | 6 | 2 | 98 | 262 | |
| DOWNBOUND STATISTICS | 89 | 6 | 0 | 95 | 64 | 380 | 444 | 91 | 4 | 4 | 99 | 624 | |
| TOTALS | 177 | 14 | 0 | 191 | 266 | 590 | 856 | 181 | 10 | 6 | 197 | 887 | |
| CHOUTEAU LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 90 | 1 | 4 | 95 | 201 | 163 | 364 | 95 | 0 | 2 | 97 | 211 | |
| DOWNBOUND STATISTICS | 88 | 3 | 7 | 98 | 45 | 330 | 375 | 97 | 1 | 2 | 100 | 543 | |
| TOTALS | 178 | 4 | 11 | 193 | 246 | 493 | 739 | 192 | 1 | 4 | 197 | 755 | |
| MENT GRAHAM LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 89 | 1 | 1 | 91 | 199 | 160 | 359 | 91 | 0 | 3 | 94 | 206 | |
| DOWNBOUND STATISTICS | 89 | 3 | 5 | 97 | 54 | 321 | 375 | 95 | 1 | 3 | 99 | 528 | |
| TOTALS | 178 | 4 | 6 | 188 | 253 | 481 | 734 | 186 | 1 | 6 | 193 | 735 | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
FOR THE PERIOD 1/84 THROUGH 3/84
INSTITUTE FOR WATER RESOURCES

| EROC HS | DISTRICT NAME TULSA | DIVISION NAME SOUTHWESTERN | 1/84 | MONTHS REPORTED 2/84 | 3/84 |
|--------------------------------|------------------------|-------------------------------|-----------------|-------------------------|-----------------|
| ALL TIMES EXPRESSED IN MINUTES | | | | | |
| | APPROACH | LOCK PROCESSING TIME | | DELAYED | DELAY |
| | ENTRY | CHAMBER | EXIT | TOWS | TIME |
| | MIN : AVG : MAX | MIN : AVG : MAX | MIN : AVG : MAX | MIN : (TOWS) | MIN : (TOWS) |
| | | | | | AVG (ALL VSSLs) |
| ARKANSAS RIVER | | | | | |
| W D MAYO LOCK & DAM | 1 13 53 | 1 10 40 | 5 11 30 | 1 11 45 | 12 424 35.3 |
| ROBERT S KERR LOCK & DAM | 2 9 24 | 1 11 42 | 5 15 39 | 3 13 60 | 16 728 45.5 |
| WEBBERS FALLS LOCK & DAM | 2 18 65 | 2 10 38 | 5 19 55 | 2 10 52 | 40 1169 29.2 |
| CHOUTEAU LOCK & DAM | 1 10 29 | 1 9 48 | 8 16 52 | 2 10 59 | 109 350 3.2 |
| NEWT GRAHAM LOCK & DAM | 1 11 36 | 1 9 60 | 5 15 38 | 2 14 85 | 28 1154 41.2 |

TABLE 1

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/83 THROUGH 3/83
 INSTITUTE FOR WATER RESOURCES

| EROC NS | DISTRICT NAME TULSA | DIVISION NAME SOUTHWESTERN | MONTHS REPORTED | | |
|----------------|----------------------------------|-------------------------------|--------------------------|------|------|
| | | | 1/83 | 2/83 | 3/83 |
| RIVER | LCODE-LOCK NAME | | LEN/WID/DRAFT (FT/FT/FT) | | |
| ARKANSAS RIVER | 21-W D MAYO LOCK & DAM | | 0600/0110/14.0 | | |
| | 22-ROBERT S KERR LOCK & DAM &RES | | 0600/0110/14.0 | | |
| | 23-WEBBERS FALLS LOCK & DAM | | 0600/0110/14.0 | | |
| | 24-CHOUTEAU LOCK & DAM | | 0670/0110/14.0 | | |
| | 25-NEWT GRAHAM LOCK & DAM | | 0670/0110/14.0 | | |

TABLE 2

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/83 THROUGH 3/83
 INSTITUTE FOR WATER RESOURCES

| EROC NS | DISTRICT NAME TULSA | DIVISION NAME SOUTHWESTERN | | MONTHS REPORTED | | | | | | | | | |
|--------------------------------|------------------------|-------------------------------|----------------|-----------------|----------------|---------------|-----------------|------------------|-----------------|-----------------|-----------------|----------------------------|--|
| | | | | 1/83 | | | 2/83 | | | 3/83 | | | |
| RIVER/LOCK NAME | TONS | VESSL RECRN | VESSL OTHER | VESSL TOTAL | BARGS EMPTY | BARGS FULL | BARGES TOTAL | LOCKGS COMMER | LCKGES RECRN | LCKGES OTHER | LCKGES TOTAL | TONNAGE (NAV, OPN, ETC) | |
| ARKANSAS RIVER | | | | | | | | | | | | | |
| W D MAYO LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 105 | 15 | 2 | 122 | 379 | 143 | 522 | 107 | 7 | 7 | 121 | 173 | |
| DOWNBOUND STATISTICS | 102 | 16 | 6 | 124 | 46 | 485 | 531 | 105 | 7 | 5 | 117 | 743 | |
| TOTALS | 207 | 31 | 8 | 246 | 425 | 628 | 1053 | 212 | 14 | 12 | 238 | 916 | |
| ROBERT S KERR LOCK & DAM & RES | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 106 | 16 | 5 | 127 | 384 | 143 | 527 | 108 | 16 | 8 | 132 | 174 | |
| DOWNBOUND STATISTICS | 103 | 16 | 7 | 126 | 45 | 491 | 536 | 106 | 12 | 5 | 123 | 763 | |
| TOTALS | 209 | 32 | 12 | 253 | 429 | 634 | 1063 | 214 | 28 | 13 | 255 | 937 | |
| WEBBERS FALLS LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 105 | 2 | 4 | 111 | 338 | 148 | 486 | 110 | 2 | 19 | 131 | 186 | |
| DOWNBOUND STATISTICS | 102 | 3 | 5 | 110 | 51 | 426 | 477 | 105 | 2 | 16 | 123 | 653 | |
| TOTALS | 207 | 5 | 9 | 221 | 389 | 574 | 963 | 215 | 4 | 35 | 254 | 840 | |
| CHOUTEAU LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 102 | 4 | 6 | 112 | 306 | 123 | 429 | 109 | 1 | 3 | 113 | 142 | |
| DOWNBOUND STATISTICS | 100 | 2 | 6 | 108 | 39 | 390 | 429 | 105 | 1 | 2 | 108 | 616 | |
| TOTALS | 202 | 6 | 12 | 220 | 345 | 513 | 858 | 214 | 2 | 5 | 221 | 759 | |
| MENT GRAHAM LOCK & DAM | XXX | | | | | | | | | | | | |
| UPBOUND STATISTICS | 102 | 6 | 15 | 123 | 297 | 121 | 418 | 109 | 1 | 5 | 115 | 137 | |
| DOWNBOUND STATISTICS | 99 | 7 | 5 | 111 | 38 | 373 | 411 | 104 | 2 | 5 | 111 | 595 | |
| TOTALS | 201 | 13 | 20 | 234 | 335 | 494 | 829 | 213 | 3 | 10 | 226 | 733 | |

TABLE 3

PERFORMANCE MONITORING SYSTEM (PMS) QUARTERLY REPORT
 FOR THE PERIOD 1/83 THROUGH 3/83
 INSTITUTE FOR WATER RESOURCES

| EROC N5 | DISTRICT NAME TULSA | DIVISION NAME SOUTHWESTERN | MONTHS REPORTED | | | | | | | | | | | | | | |
|-------------------------------|--------------------------------|-------------------------------|-----------------|------|-----|------|-----|-----|------|-----|-----|-----|---------|-------------|------------|-----------------|-----|
| | | | 1/83 | | | 2/83 | | | 3/83 | | | | | | | | |
| APPROACH | ALL TIMES EXPRESSED IN MINUTES | | | | | | | | | | | | | | | | |
| | LOCK PROCESSING TIME | ENTRY | CHAMBER | EXIT | | | | | | | | | DELAYED | DELAY | DELAY | | |
| | MIN | Avg | MAX | MIN | Avg | MAX | MIN | Avg | MAX | MIN | Avg | MAX | : TONS | TIME (TONS) | Avg (TONS) | MAX (ALL USSLs) | |
| ARKANSAS RIVER | | | | | | | | | | | | | | | | | |
| W D MAYO LOCK & DAM | 1 | 10 | 41 | 1 | 9 | 33 | 5 | 10 | 22 | 2 | 10 | 75 | : | 9 | 196 | 21.8 | 75 |
| ROBERT S KERR LOCK & DAM & RE | 1 | 10 | 31 | 1 | 10 | 31 | 7 | 15 | 34 | 3 | 12 | 44 | : | 12 | 327 | 27.3 | 105 |
| WEBBERS FALLS LOCK & DAM | 1 | 15 | 70 | 2 | 8 | 32 | 7 | 19 | 40 | 2 | 8 | 45 | : | 34 | 373 | 11.0 | 29 |
| CHOUTEAU LOCK & DAM | 2 | 10 | 29 | 1 | 8 | 34 | 5 | 16 | 31 | 2 | 9 | 35 | : | 111 | 468 | 4.2 | 87 |
| NEW GRAHAM LOCK & DAM | 1 | 12 | 36 | 1 | 9 | 45 | 5 | 14 | 25 | 2 | 14 | 38 | : | 23 | 611 | 26.6 | 65 |

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